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# Bulletin of The University of Minnesota

GENERAL EXTENSION DIVISION

## EVENING COURSES

1916-1917



VOL. XIX. No. 20. AUGUST 1916

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## CALENDAR

1916-1917

### 1916

September	25-30	Registration Week
September	29	Friday, 8:00 p.m. Annual opening of St. Paul Institute and General Extension Courses, Mechanic Arts High School, St. Paul
September	30	Saturday, 8:00 p.m. Annual opening of General Extension Courses, Minneapolis
October	2	Monday. Regular class work begins
November	30	Thursday. Thanksgiving holiday
December	23	Saturday. Christmas recess to January 2,

### 1917

January	2	Tuesday. Class work resumed
January	22-26	Examination week, first semester
January	29	Second semester begins
May	14-19	Examination week, second semester

# GENERAL EXTENSION DIVISION

## FACULTY

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CYRUS NORTHRUP, LL.D., President, Emeritus

RICHARD R. PRICE, M.A., Director of University Extension

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ROBERT W. FRENCH, B.S., Instructor in Drawing

JOHN S. GARN, B.A., Instructor in Story Telling, General Extension Division

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AUGUST C. KREY, Ph.D., Assistant Professor of History

LEE KUEMPEL, Instructor in Railroad Traffic and Rates, General Extension Division

\*EDWARD M. LEHNERTS, M.A., Assistant Professor of Geography, General Extension Division

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NORMAN WILDE, Ph.D., Professor of Philosophy and Psychology

HERBERT WOODROW, Ph.D., Assistant Professor of Psychology

OTTO S. ZELNER, B.S., Assistant Professor of Surveying

\*On leave of absence 1916-17

## EXTENSION SERVICE

The Extension Service of the University of Minnesota is organized to include:

- A. Evening classes, in Minneapolis, St. Paul, Duluth, and other cities.
  - 1. Courses leading to credit in the College of Science, Literature, and the Arts.
  - 2. Law courses.
  - 3. Courses in Business Administration, Accountancy, and Finance.
  - 4. Practical courses in Engineering.
- B. Correspondence courses.
- C. Extension lectures, singly or in groups, and lyceum lectures, concerts and entertainments.
- D. Agricultural extension, including lectures, demonstrations, institutes, and short courses under the direction of the College of Agriculture.
- E. The Municipal Reference Bureau, which compiles and furnishes to city officials information pertaining to municipal government and administration.
- F. The Bureau of Visual Instruction, through which loan collections of lantern slides and films are furnished to schools and clubs.
- G. University coöperation with local educational effort as exemplified by the "University Weeks."

## EVENING COURSES

### GENERAL INFORMATION

#### ADMISSION TO COURSES

It is not intended that any regulation should debar from the privileges of these courses any person who can pursue them profitably. Those persons desiring credit toward a university degree must of course comply with the regulations laid down by the college in which credit is desired. Those not desiring such credit may be admitted, provided they are sufficiently mature (usually twenty-one years of age) and can satisfy the departments in which they wish to study that they are able to carry the work profitably to themselves and without hindrance to the classes.

#### CREDIT FOR EXTENSION COURSES

Credit toward a degree will be given students who satisfy the entrance requirements of the college in which credit is desired and who successfully complete any of the extension courses of university grade. This applies to all the courses listed under academic or collegiate courses, unless otherwise specified. It also applies to nearly all of the business courses. The courses listed under Engineering do not carry credits. The statement in regard to credit for Law courses will be found on page 41. Such credits will be recorded upon matriculation in the University. Courses requiring one evening (two hours) a week for recitation normally carry two credits. Those requiring more time usually carry correspondingly more credit.

The statement concerning credit for the Certificates in Accountancy, in Finance, and in General Business will be found on pages 21 and 23.

Students must indicate at the time of registration whether or not they desire university credit in the courses pursued.

#### *Regulations Concerning Credit in the College of Science, Literature, and the Arts*

1. All courses for which credit is given in the College of Science, Literature, and the Arts must be authorized with the credits by the Advisory Committee. But credit shall be given only to those extension courses which are conducted in essentially the same manner as the corresponding courses in the University and which are carried on under similar conditions as to attendance, term's work, quizzes, and examinations.

2. Each credit course shall be directly in charge of a member of the Faculty.

3. Any regularly enrolled university student successfully completing an approved course shall receive the appropriate credit.

4. Any person qualified to be admitted to the University shall receive a certificate upon satisfactorily completing an approved course. The certificates entitle the holder to the corresponding university credits whenever he has earned thirty credits in residence. The Registrar or the Administrative Board shall in all cases pass upon the qualifications of the student.

5. No credits shall be given to students not properly qualified to be admitted to the University as regular students.

6. The maximum credit towards a degree for work done in Extension courses shall not exceed one-half the unit hours required for graduation. At least twelve credits in the major subject shall be completed in regular college classes and of these six must be from starred courses.

7. Credit for an amount not exceeding one quarter of the unit hours required for graduation may be given at the University of Minnesota to students of such other Extension Schools or Departments as may be approved by the Advisory Committee, provided that such credit shall be subject to the same provisions as govern credits in the General Extension Division of the University of Minnesota.

#### *University Students and Correspondence and Extension Work*

1. No university student may enroll for a correspondence or extension course for the purpose of removing a condition or failure.

2. No university student may enroll for an extension course if this would increase his credit hours beyond what the rules allow.

#### FEES

Collegiate courses meeting one evening a week require a fee of \$5 a semester of sixteen weeks. For Collegiate courses meeting two evenings a week, the fee is \$10 a semester.

For Business courses, except where otherwise noted, the fees are: For a single course, \$7.50 a semester; for two courses taken simultaneously, \$12 a semester; for three courses taken simultaneously, \$15 a semester; for four courses taken simultaneously, \$20 a semester.

For Engineering courses the fees are \$5, \$7.50 or \$10 a semester as indicated in the description of the several courses.

The fee does not include the cost of texts or material. The cost of these items varies from \$1 to \$3.

The requirements relative to the Law courses accompany the announcement of those courses in this bulletin. (See page 41.)

All fees are payable at the time of registration, and registration should not be deferred longer than the second meeting of class. Checks should be made payable to the University of Minnesota. NO FEE WILL BE REFUNDED ON ACCOUNT OF WITHDRAWAL FROM ANY COURSE, unless application for refund be made within ten days after registration.

Special arrangements are made with organizations, clubs and business concerns, whereby instruction may be given to groups of students within the organization at a sum which will somewhat reduce the individual rate per member.

#### PLACES FOR CONDUCTING CLASSES

The classes in Law will be held in the Law Building on the University campus. Most of the classes in Engineering will be held in the Main Engineering Building, Electrical Engineering Building, or the Mechanical Engineering Building.

Other classes in Minneapolis are conducted at the University, at the Public Library, at the City Hall, and in some of the public school houses. Definite locations for each class will be announced in a circular to be published about September 15.

In St. Paul the work will be carried on in coöperation with the St. Paul Institute of Arts and Sciences at the Mechanic Arts High School or the City Normal School. Additional accommodations will be provided for in some cases.

#### NUMBER FOR WHOM CLASSES WILL BE ORGANIZED

Classes will not be organized for a smaller enrollment than twelve, and in some courses a larger registration will be required.

#### TIME OF MEETING

Classes ordinarily meet at 7:30 and dismiss at 9:30. The semester is sixteen weeks long.

#### ENROLLMENT

Registration takes place during the week preceding the organization of classes (September 25-30.) Students may also register with the instructor at the class.

#### PROGRAM OF CLASSES

Folders will be issued about September 15, giving the program of classes and schedules of meeting places. It should be understood that not all the courses listed in this bulletin are given in any one year. Final announcements may be found in the special folders. Folders will be issued for the Collegiate courses, the Business courses, the Engineering courses, and the Law courses.

#### LOCATION OF EXTENSION OFFICES

The offices of the General Extension Division may be found on the ground floor of the Main Engineering Building on Church Street, just north of Washington Avenue S. E. To telephone the office call N. W. East 2760 or T. S. Spruce 257 and ask the University central for the General Extension Division.

## COURSES OF INSTRUCTION

The courses of instruction naturally group themselves into four divisions, viz., (1) those corresponding to the regular college courses given in the College of Science, Literature, and the Arts, and conveying credit toward a degree from that college; (2) those furnishing a preparation for Business (most of which also carry credit toward a degree from the above college); (3) Engineering courses; and (4) Law courses. The descriptions of courses will therefore be grouped in this order. The first group will be designated Collegiate courses.

### DEPARTMENT OF COLLEGIATE INSTRUCTION

The following courses are given Extension students with two purposes in view: First, an opportunity is afforded those who are candidates for degrees, but who are unable to pursue their entire college course in regular residence, to complete a part of their work while otherwise occupied during the day.

Second, the advantage of university training in cultural subjects is offered those who can devote one or more evenings a week to such work, regardless of any desire for university credit.

The General Extension Division is now prepared to offer the following evening courses. Others will be given provided a sufficient registration is assured, usually twelve. Those interested in forming such classes are advised to correspond with the Director.

A special folder announcing specific dates and places for holding classes will be issued early in September. This folder will be sent to all requesting it.

### CHEMISTRY

1. ELEMENTARY CHEMISTRY. A study of the common chemical elements and their compounds, with an introduction to the modern theories of chemistry. Special attention to be given to the practical applications of chemistry. Lectures, textbook and laboratory work. Those who wish to do work on special problems will be accommodated as far as possible. Four credits (two evenings a week); both semesters. Fee \$10 a semester. TEMPLE.

### EDUCATION

- 1 (3a\*). BRIEF HISTORY OF EDUCATION. The origin and development of schools, more particularly in the modern period, as a preparation for

\*The number in parentheses is that of the corresponding course in the regular University bulletins.

the understanding of the educational systems, theories, and practices of the present. Ranks as a junior and senior course in the University. Open to teachers and prospective teachers who have met the college entrance requirements. Four credits (two evenings a week); each semester. Fee, \$10 a semester. NORMAN.

- 2 (121a). SCHOOL SUPERVISION. A course in fundamental principles of school organization, administration, and supervision. It is designed for teachers, principals, superintendents, members of boards of education, parents, or others who are interested in discussions relating to methods of administration and supervision of public school education. Open for credit to high-school graduates who are also graduates of normal schools, or who have had adequate experience in teaching. Other persons, not desiring credit, may register. Each prospective student must get permission from the instructor before registering for the course. Two credits (one evening a week); second semester. Fee, \$5 a semester. RANKIN.
- 3 (142). INDUSTRIAL EDUCATION. Open for credit to high-school graduates who are graduates of normal schools, or who have had adequate teaching experience, or who have had adequate experience as industrial workers. Other persons, not desiring credit, may register. Each person who wishes to take the course should see the instructor before registering. The course treats of the necessity for vocational training in the public schools. It aims to show the bearing of the facts of universal education and industrial evolution on the methods and material of a system of public schools. Four credits (one evening a week); both semesters; Wednesday. Fee, \$5 a semester. RANKIN.
- 4 (141). SCHOOL SANITATION. This course will be conducted by text, by lectures, and by investigation into the problems of school lighting, heating, and ventilation, and other questions of school architecture and management connected with the physical well-being of the pupils. Open for credit to teachers, prospective teachers, and school board members. Those desiring University credit must be eligible for enrollment in the University. Others may take the course without credit. Each student must see the instructor before enrolling. Two credits (one evening a week); first semester. Fee, \$5 a semester. RANKIN.

#### ENGLISH

- 1 (55) SHAKESPEARE: THE EARLIER PLAYS. A course of lectures on Shakespeare with reading of a considerable number of plays. Two credits (one evening a week); second semester. Fee, \$5 a semester. NORTHRUP.
2. THE SHORT STORY IN ENGLISH. A study of the principles and practice of the short story as evolved in modern literature. The work is aimed

not only to teach technic of the form, but to give the student practice in the production of this sort of fiction. Two credits (one evening a week); first semester. Fee, \$5 a semester. NORTHRUP.

3. AMERICAN PROSE FICTION. Lectures on American Prose Fiction with the reading of representative works by Cooper, Poe, Hawthorne, James, Howells and others; recitations oral and written. Two credits (one evening a week); first semester. Fee \$5 a semester. CRAIG.
4. BRITISH POETS OF THE NINETEENTH CENTURY. A course of lectures on the principal poets in the nineteenth century, their significance in the life of the time and in the world's literature. Two credits (one evening a week); second semester. Fee, \$5 a semester. CRAIG.
- 5 (59). THE MODERN DRAMA. Contemporary drama from 1870 to the present; the new impulse in dramatic literature under the stimulus of latter-day thought. Two credits (one evening a week); second semester. Fee, \$5 a semester. BURTON.
6. STORY TELLING TO CHILDREN. The Science and the Art. Applied Theory upon: How to Choose the Story, How and Why the Oral Story Must Differ from the Written, How to Adapt Stories to Children, The Approach in Telling, The Beginning, The Climax, The Close, Platform Presence, Self-Effacement, Vocal and Verbal Adaptation. One evening a week, first semester. Fee, \$5 a semester. GARNS.
7. ADVANCED COURSE IN STORY TELLING. Emphasis of course throughout upon oral delivery of the story. Fundamentals in training of voice and body. Principles of vocal expression as they apply in story telling. Adaptation to the audience. The use of dialects and impersonation in story telling. One evening a week, first semester. Fee, \$5 a semester. GARNS.

#### GEOLOGY AND GEOGRAPHY

- 1 (1). GENERAL GEOLOGY. Materials of the earth and geologic processes; physiographic, structural, and dynamic geology, with a brief introduction to historical geology. Lectures, laboratory work, field excursions, map study, and conferences. Two credits (one evening a week); first semester. Fee, \$5 a semester. (Not given in 1916-17.) LEHNERTS.
- 2 (5). GEOGRAPHY AND GEOLOGY OF MINNESOTA. The geological study of Minnesota; its rocks and soils; minerals and mines; building stones, clay beds, and glacial deposits; rivers and lakes; scenic features; waterways and water powers; artesian well basins; prairies, forests, and agricultural lands; problems of state-wide interest, such as immigration, agriculture, drainage, reforestation, construction of state highways; utilization of natural resources, and development of old and new industries. Two credits (one evening a week); first semester. Fee, \$5 a semester. (Not given in 1916-17.) LEHNERTS.

- 3 (36). GEOGRAPHY OF NORTH AMERICA. A study of the United States, Canada, Mexico, and Central America; their surface, soil, climate, natural resources, industries, and peoples. Special study and scientific interpretation will be made of the most scenic regions of our continent, such as Yellowstone Park, Glacier Park, the Grand Canyon of the Colorado, the Yosemite Park, Lake Chelan and the Cascade Mountains, the Canadian Rockies, the Panama Canal, etc., etc. This course is planned (1) for those who can not travel but who wish to acquaint themselves with the peoples, resources, and conditions of our continent; (2) for those who have traveled, but desire further explanation of the conditions and phenomena; and (3) for those who intend to travel and wish to make adequate preparation. Two credits (one evening a week); second semester. Fee, \$5 a semester. (Not given in 1916-17.) LEHNERTS.
- 4 (116). GEOGRAPHY OF LATIN-AMERICA. A study of the regional geography of Latin-American countries; their surface features, climate, and natural resources as affecting their present and future development. Areas of probable great future development. Character, volume and direction of flow of trade. The trade relations between the Latin-American countries and the United States given special attention. The Panama Canal as affecting our relations with those countries. Two credits (one evening a week); first semester. Fee, \$5 a semester. POSEY.
- 5 (18). GEOGRAPHY OF EURASIA. The regional geography of the leading European and Asiatic countries. The relation of the surface features, climate, and natural resources to the present racial, industrial, and political development. Attention given to the attitude of the major European countries to the "new" lands of Asia. Trade relations with the United States considered. Two credits (one evening a week); second semester. Fee, \$5 a semester. POSEY.

#### GERMAN

- 1 (1-2). BEGINNING GERMAN. Pronunciation, grammar, conversation, and composition; selected reading in easy prose and verse. Eight credits (two evenings a week); both semesters. Open to all who have had no German. Both semesters must be completed before credit is given for the first semester. Fee, \$10 a semester. DAVIES.
- 2 (3-4). INTERMEDIATE GERMAN. First semester; selections from modern narrative and descriptive prose; selected lyrics and ballads. Second semester; a drama of Lessing, Goethe, or Schiller. Open to those who have completed Course 1 or its equivalent. Both semesters must be completed before credit is given for the first semester. Students who obtain credit for this course can not receive credit also for Course 3. Eight credits (two evenings a week); both semesters. Fee, \$10 a semester. GEISSENDOERFER.

- 3 (5-6). PROSE AND POETRY. Geography, history, and legend. Review of German grammar throughout the year. Open to all with two years of German. Not open to those who have obtained credit in Course 2. Both semesters must be completed before credit is given for the first semester. Eight credits (two evenings a week); both semesters. Fee, \$10 a semester. MYERS.
- 4 (27-28). ELEMENTARY CONVERSATION. Conversation on topics of everyday life, aiming at fluency in the use of idiom. Not a course in composition. Organized on the laboratory basis—one hour credit with two hours recitation and at least one hour of outside preparation. Intended for those who have had at least one year of German. Two credits (one evening a week); both semesters. Fee, \$5 a semester. BURKHARD.
- 5 (7-8). THE DRAMA. First semester: Classic drama; plays of Lessing, Goethe, or Schiller; study of dramatic structure; history of the German drama in the eighteenth century. Second semester: Modern drama; plays of Grillparzer, Kleist, Hauptmann or Sudermann; study of the present-day drama in Germany; assigned readings and reports. Open to those who have taken Courses 1 and 2, or Course 3. Both semesters must be completed before credit is given for first semester. Eight credits (two evenings a week); both semesters. Fee, \$10 a semester. GEISSENDORFER.
- 6 (29-30). INTERMEDIATE GERMAN CONVERSATION. This course follows the Elementary Course and is a conversational course only. Practice in speaking German, following the laboratory method. Some speaking knowledge of German is desirable. Should be preceded by Course 4. Two credits (one evening a week); both semesters. Fee, \$5 a semester. KOENIG.

#### GREEK IN ENGLISH

1. GREEK MYTHOLOGY. No knowledge of Greek is required for this course. A course of lectures and readings dealing with the legends and myths which appear in the literature and art of ancient Greece. The quaint and beautiful stories of Greek gods and heroes found in Homer and in the tragic and lyric poets will be presented and interpreted, and the whole course will be richly illustrated with the stereopticon. The origin and evolution of the myth, its relations to Greek literature, philosophy and religion, and its influence upon later literature, will also be touched upon. Two credits (one evening a week); first semester. Fee, \$5 a semester. SAVAGE.
2. GREEK LITERATURE AND LIFE. This is a course dealing with the literature, life, and art of the ancient Greeks, for which no knowledge of Greek is required. The course consists of lectures and illustrative readings by the instructor and assigned readings in translation and textbook work by the class; conferences and informal discussions

will also be held. The character and influence of Greek culture, especially along the lines of literature, philosophy, and art, will be discussed; and the whole course will be richly illustrated with the stereopticon. Especially designed for those interested in language and literature. Two credits (one evening a week); second semester. Fee, \$5 a semester. SAVAGE.

### HISTORY

- 1 (1). EUROPEAN HISTORY I. The development of Europe from 800 to about 1500 A. D. with special emphasis upon the political, social and economic institutions of the period. Open to all. Two credits (one evening a week); first semester. Fee, \$5 a semester. KREY.
- 2 (2). EUROPEAN HISTORY II. The development of Europe from c. 1500 to 1789. In this period are treated the Reformation, Religious Wars and the causes of the French Revolution. The political growth of the nations of Europe is especially emphasized. Two credits (one evening a week); second semester. Fee, \$5 a semester. KREY.
3. EUROPEAN HISTORY III. The development of Europe from 1789 to the present time. Political history especially emphasized. Social and economic problems are treated in their international aspects. Two credits (one evening a week); second semester. Fee, \$5 a semester. (Not given in 1916-17.) KREY.

### LATIN

- 1 (9). ROMAN LIFE AND ARCHITECTURE. Chief topics: Roman national characteristics; Roman and the Campagna; the orders of architecture; the Forum; its life and activities; the forums and palaces of the Caesars; the Roman house and furniture; the theatres and the presentation of plays; amphitheaters and gladiatorial combats; the circuses and chariot races; Pompeian baths and Roman thermae; triumphal and sepulchral monuments. Two credits (one evening a week); first semester. Fee, \$5 a semester. GRANRUD.
- 2 (10). ROMAN AND ITALIAN LIFE AND ART. Leading topics; the first principles of art; Roman historical reliefs and portrait sculpture from Sulla to Constantine; pictorial technique and wall decoration; mythological paintings; landscape, *genre*, and still life; Italian scenery; typical Italian cathedrals; *Roma immortalis*, past and present; select masterpieces of Raphael and Michael Angelo. Two credits (one evening a week); second semester. Fee, \$5 a semester. GRANRUD.

Each session of Courses 1 and 2 will consist of an introductory lecture, reports, and discussions. The lectures are illustrated with numerous black and colored lantern slides, and aim to portray the

artistic side of the Romans and Italians, to describe the intimate and vital connection of their art and life, and to indicate the supreme importance of their artistic achievements.

### MATHEMATICS

- 1 (1). HIGHER ALGEBRA. PART I. The fundamental rules, factoring, highest common divisor, lowest common multiple, fractions, involution, evolution, surds, imaginaries, simple equations with one, two, and several unknown quantities, inequalities, ratio and proportion, arithmetical and geometrical progressions, quadratic equations, and numerous problems requiring both simple and quadratic equations. The examples and problems are more difficult than those under the same subjects in Elementary Algebra and demonstrations are an important part of the work. Four credits (two evenings a week); first semester. Fee, \$10 a semester. MIKESH.
- 2 (3). HIGHER ALGEBRA. PART II. First two evenings devoted to a review of factoring. H.C.D., L.C.M., fractions, surds, and theory of exponents. The following topics will be treated in detail: Quadratic equations, equations in quadratic form, simultaneous quadratic equations, progressions, the mathematical induction proof with the binomial formula, permutation, and combination, determinants of second and third order in connection with simultaneous linear equations, the theory of equations with methods of obtaining real roots of numerical equations. Graphical representation and graphical solution of equations will be given special attention all through the course. Open to those who have completed Course 1, or its equivalent. Four credits (two evenings a week); second semester. Fee, \$10 a semester. MIKESH.

### PHILOSOPHY AND PSYCHOLOGY

- 1 (1). ELEMENTS OF PSYCHOLOGY. The aims and methods of psychology, the facts and laws of mental life, and the functions of the various mental processes in the adjustment of man and his environment. Open to sophomores, juniors, seniors, and teachers. This course is required for the Teachers' Certificate. Four credits (two evenings a week); each semester. Fee, \$10 a semester. WOODROW, EDWARDS.
- 2 (9a). LOGIC. The nature of knowledge, the laws of reasoning, and the principles and methods of scientific proof. The aim of this course is to produce accuracy of thought as well as to familiarize the student with the logical grounds of modern science. Textbook, lectures, and reports. Open to those who have had some college work, and to teachers. Four credits (two evenings a week); each semester. Fee, \$10 a semester.
- 3 (20). PRESENT DAY PHILOSOPHY. A popular discussion of the most im-

portant types of contemporary philosophy. Among the men and movements included are: Haeckel, Eucken, Bergson, Nietzsche, Pragmatism, Idealism, and Neo-Realism. Two credits (one evening a week); first semester. Fee, \$5 a semester. WILDE.

4. HUMAN NATURE. A course in modern philosophy and psychology, as applied to the chief problems of practical life. The course will be untechnical, and will include a number of simple experiments designed to illustrate the subjects treated, and to serve as basis for the discussion. Among the subjects dealt with, the following will be included: the analysis of character into its elements; the significance of laziness, fatigue and sleep; efficiency, and the chief factors in attaining it; the meaning of education: its various stages, and final goal; memory, and the laws of forgetfulness; thought transference, automatic writings, and kindred subjects. Two credits (one evening a week); first semester. Fee, \$5 a semester. LODGE.
5. THE MEANING AND VALUE OF LIFE. A course in the modern philosophy of life, dealing in a simple and untechnical way with the deeper values which underlie life as it is lived today. Among the subjects dealt with will be included: the philosophy of social life; the philosophy of pleasure; the philosophy of pain; the meaning and value of work; practical idealism, etc. One evening a week; second semester. Fee, \$5 a semester. LODGE.

#### RHETORIC AND PUBLIC SPEAKING.

- 1 (1). ENGLISH RHETORIC I. Practical training in writing, exposition, narration, and description. Analysis of prose selections and of compositions written by the class. Two credits (one evening a week); first semester. Fee, \$5 a semester. PATTISON.
- 2 (2). ENGLISH RHETORIC II. A continuation of the preceding course, open to those who have had one-half year course in freshman Rhetoric, or its equivalent. Two credits (one evening a week); second semester. Fee, \$5 a semester. PATTISON.
- 3 (11). EXPOSITION AND DESCRIPTION. Analysis of specimens; short themes and fortnightly essays, with emphasis on planning and amplification. Informal exposition during the first half of the first semester, followed by description. Open to those who have completed the equivalent of Course 1-2 in college Composition and Rhetoric. Two credits (one evening a week) first semester. Fee, \$5 a semester.
- 4 (12). NARRATION. A continuation of Course 3. Open to those who have completed the equivalent of three half-years of college Rhetoric. Two credits (one evening a week); second semester. Fee, \$5 a semester.

- 5 (115). DRAMA TECHNIQUE. A study of contemporary methods, criticism of stage productions, and writing of plays. The best plays written by the class will be presented at the Little Theatre. Open to mature students who satisfy the instructor concerning their preparation for the course. Two credits (one evening a week); first semester. Fee, \$5 a semester. SKINNER.
- 6 (41-42). A GENERAL COURSE IN PUBLIC SPEAKING. The principles of analysis and organization. Extemporaneous speaking based on outlines. Study of model speeches. Attention is given to correctness and effectiveness in delivery. Open to ministers, lawyers, teachers, and others who are able to carry the work. Four credits (one evening a week); both semesters. Fee \$5 a semester. RARIG, GISLASON.

#### ROMANCE LANGUAGES

- 1 (1). BEGINNING FRENCH. Grammar, pronunciation, reading and practice in speaking. Open to all. Both semesters must be completed before credit is given for the first semester. Four credits (one evening a week); both semesters. Fee, \$5 a semester.
- 2 (3). INTERMEDIATE FRENCH GRAMMAR AND COMPOSITION. French grammar review; readings from modern authors. Open to all who would enter the University with two years of French. Both semesters must be completed before credit is given for the first semester. Four credits (one evening a week); both semesters. Fee, \$5 a semester.
- 3 (7-8). ELEMENTARY FRENCH CONVERSATION AND COMPOSITION. Four credits (one evening a week); both semesters. Prerequisite French 1. Fee, \$5 a semester.
- 5 (31). BEGINNING SPANISH. Grammar, pronunciation, reading and practice in speaking. Four credits (one evening a week); both semesters. Fee, \$5 a semester.

#### SCANDINAVIAN

- 1 (1-2). BEGINNING NORWEGIAN. Grammar, select reading in easy prose and poetry. Eight credits (two evenings a week); both semesters. Fee, \$10 a semester. BOTHNE.
- 2 (101-102). MODERN NORWEGIAN LITERATURE. History of Norwegian literature from 1814 to the present day. Open to advanced students who have completed Courses 1-2 and 3-4 (Elementary and Advanced Norwegian) and others having equivalent preparation. Both semesters must be completed before credit is given for the first semester. Eight credits (two evenings a week); both semesters. Fee, \$10 a semester. BOTHNE.
- 3 (5). BEGINNING SWEDISH. Grammar, conversation, composition, modern texts. Open to all who have had no Swedish. Both semesters

must be completed before credit is given for the first semester. Four credits (two evenings a week); first semester. Fee, \$10 a semester. STOMBERG.

- 4 (107-108). SWEDISH LITERATURE. History of Swedish literature from 1719 to the present time. History of the literature and study of modern authors, including Selma Lagerlöf, Geijerstam, Strindberg. Open to advanced students who have completed Courses 5-6 and 7-8 (Elementary and Advanced Swedish) and others able to carry the work successfully. Both semesters must be completed before credit is given for the first semester. Eight credits (two evenings a week); both semesters. Fee, \$10 a semester. STOMBERG.

### SOCIAL ECONOMICS

Emphasizing human values and human justice, the following courses in Social Economics make a special appeal to teachers, business leaders, charity workers, public officers, ministers, live, active citizens, workers for industrial peace and justice, and to the patriot. These courses are of value to the pursuer of money as well as to the advocate of greater human and national well being. Proper and just regard for the human factor is profitable. Business must be lead by socialized business chiefs. The teacher must know the economic conditions out of which her pupils come and those into which they will go. The patriot must realize that the problem of Americanization is one of social justice.

*These courses "prepare one to grapple with social problems." They "point one toward a safe and wholesome democracy."*

1. MAN AND HIS LIVING. A general course on human values. How to weigh and study the economic facts of life; the aim and goal of economic progress; democracy of well-being; wages, rent, interest, profits, scientific employment, money, taxes, trusts, insurance, and other related topics. Designed to appeal to all interested in human efficiency, human justice, and social welfare. Of special value to the teacher and to others interested in or responsible for active, intelligent citizenship. Two credits (one evening a week); one semester. Fee, \$5 a semester. PHELAN.
2. ECONOMIC DEMOCRACY. The beginning of American democracy; the modern teachings found in the Utopian reformers; the beginning of modern socialism; the progress of socialism; its relation to anarchism, syndicalism, and trade unionism. The problem of monopoly and its solutions through (1) enforced competition, (2) socialism, or (3) public regulation. Of vital importance to every citizen and to students of human affairs. This course clears up many misconceptions, examines socialism carefully, and emphasizes economic reform through public regulation and education. Two credits (one evening a week); one semester. Fee, \$5 a semester. PHELAN.
- 3 (160). LABOR AND LIFE (LABOR PROBLEMS). The rise of the modern la-

bor problem; woman labor, sweating, minimum wage; child labor, industrial education, vocational guidance, mothers' pensions; unemployment, industrial accidents, industrial disease, poverty. Teachers, employers, employees, social workers, and active citizens find much of interest and profit in this course, and in the courses numbered 4 and 5. Two credits (one evening a week); one semester. Fee, \$5 a semester. PHELAN.

- 4 (161). LABOR AND THE PUBLIC (LABOR PROBLEMS.) Strikes and their prevention, boycotts, injunctions; labor doctrines and theories; types of labor unions, of employers' associations; profit-sharing and co-operation; scientific management; housing and old-age pensions. Two credits (one evening a week); one semester. Fee, \$5 a semester. (Not offered in 1916-17.) PHELAN.
5. IMMIGRATION AND LABOR. Who is an immigrant; the causes of immigration; the immigrant and the development of America; the effects of immigration on the native population; the effects on labor; the commercial, social, and civic effects on Europe; what shall be done about immigration. Two credits (one evening a week); one semester. Fee, \$5 a semester. PHELAN.
6. THE CITY. A general course on the city in relation to human progress and economic justice. The rise of cities; their peculiar problems; city government and human well-being; revenues and expenditures; the city as a laboratory of democracy. Two hours (one evening a week); one semester. Fee, \$5 a semester. (Not offered in 1916-17.) PHELAN.
7. ACTIVE CITIZENSHIP, OR TO-DAY'S PROBLEMS. Current economic and social problems as presented by our reading and observation, to be viewed and discussed in the light of economic principles and of human experience. The purpose of this course is to enlarge the student's knowledge of existing conditions and to strengthen his grasp of present-day social problems, to clear up fallacies, to stimulate intelligent, active, socially-minded citizenship. Instruction will be by the round table method. *Classes will be limited to a workable number.* Two hours (one evening a week); Fee, \$5 a semester. PHELAN.

#### SOCIOLOGY AND ANTHROPOLOGY

- 1 (113). THE AMERICAN PEOPLE I. Dominant characteristics of the diverse foreign peoples now in the United States; their modification in America; the importance of these peoples to the American nation. Lectures, reading, and essay. Two credits (one evening a week); first semester. Fee, \$5 a semester. JENKS.
- 2 (114). THE AMERICAN PEOPLE II. A continuation of Course 1. Essential and unique historical Americanisms, and their value and virility for the future; facts and forces of amalgamation and assimilation in

America; America's ethnic problems. Lectures, readings, and essay. Two credits (one evening a week); second semester. Fee, \$5 a semester. JENKS.

#### ADDITIONAL COURSES

Many advanced courses not listed in this bulletin will be given upon the request of any responsible individual or group willing to organize a sufficiently large class to insure the success of the undertaking.

## DEPARTMENT OF BUSINESS INSTRUCTION

The following courses are arranged with a view to meet the needs of those who desire special training for the higher business positions. Business is rapidly becoming a profession, or rather the business field is opening up several professions, among which are Accountancy, Banking and Finance, Advertising, and Salesmanship. The University through its General Extension Division is attempting to afford a preparation for these professions, as it has long done for the profession of Law, Medicine, Engineering, and the like.

The time appears to be approaching when it will be just as necessary for one to secure special training for business positions as it is now to secure training for the learned professions. It is recognized, too, that the rewards for those trained for the business professions are fully as great both financially and in a social way as they are for those trained for the so-called learned professions. Moreover, experience is proving that the very people whom the General Extension Division are reaching can, while being actively employed during the day, best comprehend and appreciate the kind of instruction the evening classes afford.

The subjects of instruction are divided into three groups or courses of study, viz.: those aiding in the preparation for accountancy, those aiding in the preparation for banking and those having for their object a general business training. In each of these courses certain fundamental subjects, such as Business Law, Economics, and Business English, are required. Each course can be completed by taking three subjects per week for two years, each class meeting one night per week. Each course may be completed in three years by taking but two subjects per week. Upon the completion of one of these courses a University Certificate to that effect will be granted.

### THE COMMERCE CLUB ACCOUNTANCY PRIZE

In order to foster the study of accountancy the Commerce Club (composed of students of the Department of Business Instruction) offers a prize of \$15 to the best student in Principles of Accounting "A" and "B" in the year 1916-1917.

### THE HERBERT C. PALIN ADVERTISING PRIZE

Mr. Herbert C. Palin of Los Angeles, California, has presented a silver loving cup to the advertising class. On this cup is to be inscribed each year the name of the student who, after taking a full year's course in advertising, submits the most constructive plan for an advertising campaign. The cup is to remain in the possession of the winner for one year.

### TWO-YEAR COURSE IN ACCOUNTANCY

This course is designed to meet the needs of two classes of students, namely, those who wish to prepare to take the state C.P.A. examination

with a view of becoming public accountants, and those who aim to fit themselves for responsible positions with private business firms.

For the student who wishes to pursue either object we recommend that he plan to take the regular course herein outlined and thus secure a broad foundation for his work.

Upon the satisfactory completion of this course, the University Certificate in Accounting will be granted.

The course requires a total of twenty-four credits, each one-semester subject counting for two credits. Each subject requires one class recitation per week for one semester of sixteen weeks. There are two semesters per year, hence the course may be completed in two years by taking three subjects per week. Or, if the student prefers, he may take but two subjects per week, thus requiring three years to complete the course.

The following subjects are required for the course:

- |   |                       |
|---|-----------------------|
| 1. Principles of Accounting "A"             | 7. Business Law "A"   |
| 2. Principles of Accounting "B"             | 8. Business Law "B"   |
| 3. Accounting Practice and Procedure<br>"A" | 9. Business Law "C"   |
| 4. Accounting Practice and Procedure<br>"B" | 10. Economics         |
| 5. Auditing "A"                             | 11. Business English  |
| 6. Cost Accounting                          | 12. Elective subjects |

#### FEES

The fee for these courses is \$30 per year, payable \$15 each semester, when registering for three subjects; or \$24 per year, payable \$12 per semester, when registering for two subjects. The fee for a single subject is \$7.50 per semester. This does not include materials, these being furnished students at a nominal charge.

Special arrangements are made with organizations, clubs and individual business concerns, whereby instruction may be given to groups of students within the organization at a sum which will somewhat reduce the individual rate per member.

### THREE-YEAR COURSE IN BANKING AND FINANCE

This course is designed to meet the needs of two kinds of students: (1) those who are preparing for, or who are now engaged in, such financial callings as banking, corporation management, stock and bond brokerage, credit work, or financial journalism; and (2) business men who wish to utilize in the upbuilding of their particular business all of the modern scientific knowledge of a practical financial nature.

#### *University Certificate in Finance*

Those students who wish to secure a thoro knowledge of finance, and an adequate knowledge of general business for a financial occupation, are urged to arrange their registration so as to obtain the Certificate in Finance as offered by the University.

This certificate will be granted to those who complete a total of twenty-four credits distributed as follows:

Principles of Economics (2)	Principles of Accounting B (2)
Banking Practice (2)	Business Law A (2)
Investments and Speculation (2)	Business Law B (2)
Corporation Finance (2)	Business Law C or D (2)
Business English	Elective subjects (4)
Principles of Accounting A (2)	

*The American Institute of Banking*

The American Institute of Banking recognizes the evening courses of the General Extension Division at the University of Minnesota as fulfilling all the requirements of its educational department. Students who complete these courses in Finance are accredited by the Institute without further examination or formality.

By this arrangement, the members of the Minneapolis, St. Paul, and Duluth chapters of the American Institute of Banking may obtain the A. I. B. Certificate upon completion of Economics (2 credits), Banking (2 credits), and Business Law (4 credits.)

The advanced courses in Finance coincide with the requirements of those who wish to receive the title of Associate from the Institute for postgraduate study.

**GENERAL BUSINESS COURSE**

For the benefit of those students who do not care to specialize in either accounting or in finance, yet wish to secure recognition as having completed a definite group of subjects, the following course is arranged. It is likely that certain of the subjects herein outlined will be more fully developed, and later, together with the fundamental subjects, form courses in themselves.

It is planned that each of these courses will furnish a preparation for a definite calling, such as advertising, salesmanship, and sales management, railroad traffic, and office management.

*The University Certificate in General Business*

This certificate will be granted to those who successfully complete a total of twenty-four credits distributed as follows:

Business English (2)	Elective subjects (12)
Business Law A (2)	(These electives should be selected with a view to specializing in some particular field, as in Advertising and Selling, in Railroad Traffic, and the like.)
Business Law B (2)	
Economics A (2)	
Accounting A (2)	
Accounting B (2)	

**DESCRIPTION OF SUBJECTS****ACCOUNTING**

1. **INTRODUCTION TO ACCOUNTING.** The purposes of accounting, the use of books of original entry, posting to the ledger, the trial balance, clos-

ing the ledger, preparation of simple trading statements. Two credits (one evening per week). PRESTON AND HARPER.

This course is arranged for those students who do not understand bookkeeping principles sufficiently well profitably to pursue Course 2. (Hereafter an examination will be required for entrance to Course 2.) The object of the course is not to teach bookkeeping and office routine. Those desiring such training are advised to enter the classes in the Public Schools, the Y. M. C. A., or the Business Colleges. The object is to give such preparation for those who desire to make a further study of the science of accounts, but who, through inexperience or lack of study, are unable to begin with those who have had that preparation. A study of the principles of the subject will be made from the start, only sufficient bookkeeping practice being given to illustrate the principles involved.

2. PRINCIPLES OF ACCOUNTING "A". A fundamental general course treated from the standpoint, first, of the purposes which the science and practice of accounting seek to accomplish; second, of the methods and means by which this object is gained. The merchandise account and its analysis, account nomenclature, accruals, deferred charges, classification of loss and gain accounts and of balance sheet accounts. The use of the working sheet, of auxiliary ledgers and controlling accounts, exercises in closing the books and in arranging balance sheets and income statements, departmentization of accounts, imprest cash system, contingent liabilities. Designed for those who already have a knowledge of bookkeeping principles. Those not having such knowledge are expected to first take Course 1. Two credits (one evening a week); first semester. PRESTON, ROTZEL.
3. PRINCIPLES OF ACCOUNTING "B". Further exercises in the preparation of statements, the manufacturing, trading, and profit and loss accounts, good will, depreciation, the accountant's working sheet, accounts peculiar to a corporation, surplus, sinking funds and reserves, condensed balance sheet and income statement. For those who have completed Course 2 or its equivalent. To credits (one evening a week); second semester. PRESTON, ROTZEL.
4. ACCOUNTING PRACTICE AND PROCEDURE "A". The subject matter is presented chiefly by means of a more or less exhaustive study of a representative business. The work consists of the following: (a) the study of a complete illustrative accounting installation for a manufacturing and selling enterprise; (b) a study of the distinctive group of accounting problems which are likely to arise in a business organization through a series of years and the scientific solution of those problems made possible by the use of an installation such as the one studied; (c) a study of the accounting problems peculiar to representative business other than manufacturing and selling. The manner of presenting the subject is essentially practical, the students being required to work out for themselves problems similar to the

ones studied. Two credits (one evening a week); first semester. ROTZEL.

An advanced course for the accounting student following the study of Accounting Principles. The object of the subject is twofold; first, to familiarize the student with the peculiar accounting problems of business, and, second, to afford the student the means to secure that necessary insight and skill which practicing accountants must possess in order to meet the demands made upon them.

5. ACCOUNTING PRACTICE AND PROCEDURE "B". A continuation of Course 4. Two credits (one evening a week); second semester. ROTZEL.
6. COST ACCOUNTING. The elements of cost, i.e., prime cost and indirect expense or burden, kinds of cost accounting, continuous process and production order costs. The materials ledger. Methods of accounting for labor. Methods of distributing indirect or "overhead" expense. The machine rate method, and when applicable. Methods of compensating labor. Pre-determined standard costs, and their relation to "scientific management." The cost ledger and its relation to the general ledger. Two credits (one evening a week); first semester. PRESTON.

Modern industry demands that each plant to be equipped with adequate accounting facilities for ascertaining the cost of operation. These costs are necessary to show, first, the profitability of each branch of the industry so as to enable the management to push the profitable, and to drop the unprofitable, lines, or to place them upon a paying basis; second, the cost of each article as a basis of price making; third, so far as possible the cost of each operation, so as to enable the management to plan economics in the operation of the plant.

7. AUDITING (A). This course is essentially practical and is intended only for those whose previous training in the principles of accounting has been sufficient to enable them to be benefited by their advanced work. The chief aim will be to give students the training necessary to enable them to conduct audits and investigations either as private auditors or public accountants; to set up accounts for various purposes as a result of such audits or investigations and to prepare suitable reports thereon. Two credits (one evening a week); first semester. ROTZEL.
8. AUDITING (B). A continuation of Course 7. Two credits (one evening a week); second semester. ROTZEL.
9. APPLIED ACCOUNTING (A). A similar course designed for those who have two years of work in Accounting. The purpose of the course is to apply the principles and the practice of accounts as studied in the previous years to a business most primitive to the student. Each student will work up in report form the details of an accounting installation which will be of such a character that it will meet in a scientific way all the contingencies which would be likely to arise in a series of years. Two credits (one evening a week); first semester.

10. APPLIED ACCOUNTING (B). Continuation of Course 9. Two credits (one evening a week); second semester. ROTZEL.

### BANKING AND FINANCE

21. BANKING. The documents created by transactions in goods; the function of a bank in aiding industry; the steps in organization of national or state banks; corporate powers, rights, and liabilities of stockholders and directors; bank administration and the various offices and departments; deposits, depositors, and receiving tellers; bank reserves and circulating notes; the clearing-house, handling country checks, and transit departments; collections; domestic exchanges; foreign exchange; discounts and collateral loans; credit department; how profits are made on government deposits, by note issue, in buying and selling exchange, by analysis of depositor's accounts; accounting methods and general balances; examinations; supervision, and reports; and bank policy from the analysis of local bank reports. Two credits (one evening a week); first semester. EBERSOLE.

This course aims to explain the various functions of an up-to-date bank and to teach the methods by which its work is accomplished. A careful survey will be made of the economic basis, legal status, accounting methods, and financial problems of banking as carried on by large commercial institutions having a full complement of banking operations including city, country, and foreign business. The method of presentation comprises reading references, lectures, review questions, and use of the blackboard for all computations.

22. MONEY AND CREDIT. The origin, evolution, and functions of money; the gold standard, forms of money current in the United States; government paper, bank notes, and deposit currency described and analyzed; credit and its effects; the causes of general price changes; various types of standards and currency systems including bimetallism and the gold exchange standard; discount rates, the problem of securing an elastic currency, and the distribution of the world's gold between the nations; the problem of securing an ideal money. Textbook and money-market articles in current newspapers will furnish material for discussion. Two credits (one evening a week); second semester. EBERSOLE.

A thoro understanding of the character and functions of money and of the principles of credit is the cornerstone of modern business intelligence. This course in money and credit constitutes an interesting and scientific treatment of the forces that determine value and prices, of the processes of exchange, and of the many forms of media of payment represented by monetary and credit instruments.

- 23 (145). THE CORPORATION FINANCE. The evolution of the private corporation and its relation to other business units; the organization of a corporation; charters and articles of association; directors and officers, manner of their selection, their functions and responsibili-

ties; forms of corporation stocks and bonds and their respective legal and financial characteristics; the marketing of securities; capital and revenues; intangible values; books and accounts; dissolutions, consolidation, and reorganization; trust and holding companies; the taxing of corporations; corporation statistics; the preparation and analysis of corporation reports; the corporation before the law. Two credits (one evening a week); second semester. EBERSOLE.

Modern business in all of its major forms is directed through corporate organization. The course in corporation finance is designed to give the student such a knowledge of corporations and their administration as to make clear the general organization of industry and commerce. Texts will be extensively supplemented by informal lectures, class discussions, and topical essays.

- 24 (142). INVESTMENTS AND SPECULATION. Stocks, bonds, endowments, annuities, and other forms of investment considered with regard to their security, income, and opportunity for rise or fall in value. The social process of saving and investment; the investment fund; various classes of investments; the criteria of a good investment applied to government, corporation, and real estate loans; railroad, industrial, timber, and mining securities compared; the laws of investment values. Stock exchange operations; money market and other influences affecting prices; analysis of present fundamental conditions. The actual operations upon the stock and produce exchanges are used to illustrate the study of speculation, and the course of the markets and the bank rates is closely followed as a basis of deduction in the analysis of cause and effect. Textbook and interpretation of financial quotations and reports. Two credits (one evening a week); second semester. EBERSOLE.

### BUSINESS LAW

31. BUSINESS LAW "A"—CONTRACTS AND AGENCY

Contracts: Definition of a contract; offer and acceptance; special formality; consideration; capacity of parties; contractual powers of minors, of persons mentally deficient, and of married women; reality of consent, mistakes, misrepresentation, fraud, undue influence, legality of object; the operation of contracts; assignment of contracts; interpretation of contracts; methods of discharging contracts.

Agency: Methods of forming agencies; methods of terminating agency; the rights and obligations of principals, agents, and third parties. Text, lectures, and cases. Two credits (one evening a week); first semester. SMILEY.

This course is fundamental and must be completed before registration will be accepted for other courses in business law.

32. BUSINESS LAW "B"—SALES AND NEGOTIABLE INSTRUMENTS.

Sales: Sales of personal property; definition of a sale and its distinction from a bailment; when the title passes to the buyer; what

title passes; rights of the seller (a) to set the contract aside on the ground of fraud, (b) to enforce lien for the purchase money, (c) to obtain stoppage in transit; rights of the purchaser (a) to demand goods of a certain quality, (b) to demand warranty of the purchaser's title.

Negotiable Instruments: Nature and characteristics: (a) definitions and characteristics, (b) uniform negotiable instrument law; form: (a) what a negotiable instrument must and must not contain, (b) non-essentials, (c) effect of blanks and delivery; negotiation: (a) negotiation, indorsement, and delivery, (b) holder in due course and his rights; maker's and acceptor's contract: (a) maker's contract on a promissory note, (b) acceptor's contract on a bill of exchange, (c) presentment of a bill of exchange for acceptance; drawer's and indorser's contract: (a) drawer's contract on a bill of exchange, (b) indorser's contract on a bill or note, (c) presentment for payment, (d) notice of dishonor, (e) protest, (f) checks, (g) position of indorser after liability is fixed. Text, lectures, and cases.

Two credits (one evening a week); second semester. For those who have completed Course 31. SMILEY.

### 33. BUSINESS LAW "C"—PARTNERSHIPS AND CORPORATIONS

Partnerships: Formation of partnerships; articles of copartnership; methods of terminating partnerships; rights and obligations of partner (a) toward his copartners, (b) as an agent of the firm, (c) toward the firm's creditors, (d) for an accounting; special partners; limited partnerships.

Joint Stock Companies: How distinguished from ordinary partnerships; how like ordinary partnerships; statutory requirements.

Corporations: Formation of corporations of various classes; terminations of corporations; membership in corporations, methods of transferring interest, fraudulent issuance of stock by corporate officers; rights of stockholders (a) to dividends, (b) to inspect and control corporate affairs; liabilities of stockholders (a) on stock subscriptions, (b) to pay assessments, (c) for the corporate debts; the doctrine of ultra vires; rights and obligations of corporate directors; corporate mergers and consolidations; domestic and foreign corporations. Text, lectures, case assignments, and class discussions.

For those who have completed Course 31. Two credits (one evening a week); first semester. HOUCK.

### 34. BUSINESS LAW "D"—REAL PROPERTY, MORTGAGES, BANKRUPTCY

Real Property: Estates in land, estates held jointly or in common, equitable estates, relatives rights of adjoining owners, trespass, easements, sales of real property, the contract to sell, conveyances, wills, mortgages, and liens; landlord and tenant, the lease, assignment and subletting, rent, and remedies for non-payment. Insolvency and Bankruptcy. Two credits (one evening a week); second semester. HOUCK.

35. BUSINESS LAW "E"—COMMON CARRIERS, AND LAW OF RAILWAY TRAFFIC AND RATES. Among the items considered are: Who are common carriers; duties, privileges, rights and liabilities in general; duty to furnish equipment; demurrage; when liability of carrier begins; when liability ends; bills of lading and contracts limiting liability; carrier's liability for goods in storage awaiting shipment or delivery; liability on goods lost, damaged or delayed, etc., etc. The difference between private and public utility businesses for purposes of regulation; the fundamental principles of regulation; legal considerations and elements making up lawful rates; what are reasonable rates, discriminatory rates; how each is determined and protected against competition, long and short haul, construction of tariffs; routing and misrouting; reconsignment and diversion of cars; time and manner of presenting claims; state and federal regulation and regulatory bodies; right to have rates quoted; penalty for erroneous quotation; how to present and handle claims before the State and Interstate Commerce Commission.

Particular attention is paid to state and federal regulatory acts and tribunals. The Interstate Commerce Act (1887) and the Elkins Amendment (1903), the Hepburn Act (1906), the Mann Act (1910), and the Cummins Act (1915) are all thoroly covered.

The widest latitude of discussion and questioning will be allowed. Students will be allowed and invited to present actual pending disputes for discussion and advice as to proper procedure to be followed.

Two credits (one evening a week); first semester. HOUCK.

*Note.*—Railway Traffic and Rates (Railway Problems), Course 71, shown on page 31, should either precede this course or be taken simultaneously with it as an integral part of the instruction in this subject.

#### ECONOMICS AND COMMERCE

41 (1a). ELEMENTS OF ECONOMICS. Utility and valuation; price and the laws of price as applied to competitive and monopolistic conditions; price and the cost of production; the factors of production; the law of diminishing returns; division of labor and its relation to the development of industry; the forces and factors involved in the concentration of industry, including the difference between the agricultural and the mechanical industries; wages, rent, interest, capitalization, enterprise, and business profits; finally, some attention is given to money, credit, banking, and international trade. Two credits (one evening a week); first semester. Fee, \$5.00 a semester. PHELAN.

This course aims to ground the student in principles that are basic in all economic discussions. The study naturally centers in value and the laws of valuation under the various applications.

42 (3a). PRACTICAL ECONOMIC PROBLEMS (ADVANCED ECONOMICS). Taxa-

tion—the tariff, general property tax, corporation taxes, income taxes; labor problems—unionism, trade agreements, strikes and lock-outs, law in reference to labor unions, injunctions, employers' liability, workmen's compensation; railway problems—theory of rate-making, state and federal control; monopoly problems—economics of big business, intensive study of U. S. Steel Corporation, Sherman Anti-Trust Act, and important legal decisions relating to restraint of trade. Two credits (one evening a week); second semester. PHELAN.

The aim of this course is to study economic principles in their relation to some of the leading questions of today.

43. PRINCIPLES OF BUSINESS MANAGEMENT. Principles of organization showing comparative values and uses of line, staff and combination types. Methods of saving time, money, and energy in the moving of work and materials. Making a scientific analysis of a particular operation, the operation of a department, and the operation of a plant. How to make use of the analysis in reducing waste time, energy, money and material. Principles underlying the establishment and maintenance of the improved methods and conditions obtained by the above study. These principles include a method of determining upon proper and clearly defined policies and a study of their use and value; the necessity for and proper means of profiting by the experience of others. How to develop business judgment in yourself and your subordinates. The principles governing executive control and the maintenance of discipline; discussion of methods of determining upon a wage scale and legitimate profits; the relation of physical condition to success, and its bearing upon production. Some principles underlying proper management of finances. The relation of home management to industrial and commercial efficiency; the organization and management of the sales department; training the salesman. The general problem of selection of help with a brief outline of a modern system of scientific selection and placement by a study of individual characteristics. One evening a week; first semester. NEWCOMB.
51. ELEMENTARY ADVERTISING. This course is intended for those who desire sufficient knowledge of the elements of advertising to prepare reasonably satisfactory copy for newspapers, magazines, street car cards, circulars and booklets. The fundamental elements of display, layout, headings and copy are carefully outlined and the student is given practice in the preparation of advertisements. One evening a week; first semester. MARTIN.
- This course is intended to acquaint the student with what may be called "the tools of advertising" before he undertakes either of the two advanced courses in the planning and preparation of advertising campaigns.
52. NATIONAL ADVERTISING. A study of advertising from a new angle.

The student puts himself in the place of one having a product for sale, and from the first lesson to the last each lecture is so planned as to give the methods pursued in conducting the many different steps in an advertising campaign.

The student first analyzes the product from the standpoint of its advertisability. He considers the planning of a trademark, the organization of the sales force, the selling points, the prices and the profits. He then thoroly analyzes the market, chooses the advertising mediums most adaptable to his particular campaign, and decides on the appropriation.

Students will be furnished with pamphlets for these lectures which will give reference to practically everything which has so far been published on subjects taken in the course. In this way the experience of probably 300 of the leading advertising men of this country will be available to the student. Two credits (one evening a week); second semester. MARTIN.

53. RETAIL ADVERTISING. In this course the student conducts an advertising campaign for a retailer under the same general plan as in Course 52 for a manufacturer. The student is shown the relation of advertising to the different departments of a great department store. He is also shown how some of these same principles may be adopted for the smallest of specialty stores. He is shown where the advertising manager gets his ideas and how they are developed into the finished advertisement—what pays and what does not pay. One evening a week; second semester. Not given in 1916-17.
61. SALESMANSHIP. A course for insurance men, specialty men, traveling salesmen. Lectures and demonstrations on the principles underlying successful salesmanship, as follows: the proper approach; securing attention; arousing interest; creating desire; closing the sale; the psychology of salesmanship; the use of suggestion in selling; the use of argument. One evening a week; each semester.  
The chief feature of the work will be the demonstration sales. So far as possible each student will be given an opportunity to take part in a sufficient number of demonstrations that he may apply the principles laid out in the course. Not given in 1916-17.
71. RAILWAY TRAFFIC AND RATES. The course covers the various features and problems which are brought up in the actual practice of handling freight traffic. The lessons embrace the practical application of the Interstate Commerce Act and other laws and regulations; the correct compilation of tariffs; methods under which rates are published by other than the line over which they are applicable; the classifying of freight; classifications and their peculiar exceptions; the principal rate bases, such as all rail, rail and lake, etc.; tariffs, rules and regulations governing domestic, export and import traffic and the principal commodities; the routing and mis-routing of freight; various methods of loading and offering freight for shipment; tracing of freight;

presentation and adjustment of claims; the cancellation, suspension and restoration of rates and tariffs; "privileges" such as transit handling of grain, storage, diversion, etc.; rulings of the Interstate Commerce Commission are referred to in the lectures and rates are quoted from current tariffs and classifications. Four credits (one evening a week); both semesters. KUEMPPEL.

72. RAILWAY TRAFFIC AND RATES (2). (LEGAL PHASES). For description see Course 35, Business Law "E." Two credits one evening a week); first semester. HOUCK.

#### ENGLISH AND SPANISH

BUSINESS ENGLISH. Not a lecture course nor a dry, prosy study of technical English grammar and composition, but a new practical course designed for business men and women who recognize the value of a command of English for business and every-day writing and conversation. The main object of the course is to acquaint the student with the various types of business letters, reports, etc., and to teach him how to write and use them effectively. A secondary object of the course is to show students how training in expression—written or oral—is primarily training in thinking and analysis and hence is a very real stimulus to general business efficiency. The types of letter to be studied include complaint and answer, reminder, acknowledgment, recommendation, application, collection, form, follow-up, sales, inter-departmental, and composite. Students will be expected to write letters and take part in the weekly discussions of actual problems in business correspondence. No text book is required. Typewritten synopses of lessons, furnished each week, provide the student with a cumulative text. Ability to write simple, grammatically correct English is a prerequisite to this course. One evening a week; first semester. Repeated second semester. VIETS.

83. PUBLIC SPEAKING. For description see Department of Collegiate Instruction. One evening a week; both semesters. RARIG, GISLASON.
90. COMMERCIAL SPANISH. For description see Department of Collegiate Instruction. One evening a week; both semesters.

## DEPARTMENT OF ENGINEERING INSTRUCTION

The increase in the number of students in the extension engineering classes last year indicates the importance of this work. The demand for men specially trained in engineering has been steadily increasing each year. Every branch of the profession has been calling for the services of trained men. By trained men is meant those who can plan work and use good engineering judgment in any given project.

To meet this demand the General Extension Division now offers groups of courses in Architecture, Civil Engineering, Electrical Engineering and Mechanical Engineering. These course groups are arranged to be completed in either two- or three-year periods and are planned primarily for workers in industrial establishments.

The subject of engineering is one that requires very thorough study, and no step should be neglected. These courses have been laid out with great care, and are especially adapted to the needs of men working in shops and other industrial and manufacturing establishments, to the end that such men may have added to their practical training, a technical and theoretical knowledge which will enable them to advance more rapidly in their chosen line of work.

It has been found that many persons registered who could not take the work with any great profit to themselves because of inadequate preparation. For this reason it is desirable that students should consult with the Director of the General Extension Division before taking up any course, so that they may have proper guidance and direction.

Students who have had sufficient preparation need not start at the beginning, but may take up the work at the point where they can pursue it with advantage.

These courses also offer an opportunity to college graduates, who may wish to specialize in some subject not covered in their regular college work.

When the student completes any one of these consecutive courses, a certificate to that effect from the University of Minnesota will be given.

A course in "English for Engineers" or its equivalent will be required of every student.

Unless otherwise stated herein the fee for a single course meeting one night a week is \$7.50 a semester; for two courses, \$12 a semester; for three courses, \$15 a semester.

The following courses, arranged to be completed in three years of two evenings a week, may also be finished in two years of three evenings a week. The work is divided into two semesters per year. Each semester of the Engineering Extension classes is twelve weeks long; but the classes in Shop Mathematics and Elementary Electricity continue for sixteen weeks.

## ARCHITECTURE

### FIRST YEAR

*First Semester*

Elementary Architectural Design  
Freehand Drawing

*Second Semester*

Elementary Architectural Design  
Architectural History

### SECOND YEAR

*First Semester*

Intermediate Architectural Design  
Shop Mathematics

*Second Semester*

Intermediate Architectural Design  
Mechanics, Strength of Materials

### THIRD YEAR

*First Semester*

Advanced Architectural Design  
Structural Design

*Second Semester*

Advanced Architectural Design  
Reinforced Concrete

## CIVIL ENGINEERING (For Office Men)

### FIRST YEAR

*First Semester*

Shop Mathematics  
Drawing: Working Drawings

*Second Semester*

Shop Mathematics—Advanced  
Structural Drafting

### SECOND YEAR

*First Semester*

Applied Mechanics  
Elements of Structural Design

*Second Semester*

Strength of Materials  
Structural Design

### THIRD YEAR

*First Semester*

Reinforced Concrete  
Roof Trussed Bridges—Design

*Second Semester*

Reinforced Concrete Design  
Bridge and Building Design

## CIVIL ENGINEERING (For Field Men)

### FIRST YEAR

*First Semester*

Shop Mathematics  
Lettering and Sketching

*Second Semester*

Plane Geometry and Trigonometry  
Mapping

### SECOND YEAR

*First Semester*

Plotting and Calculation  
Plane Surveying

*Second Semester*

Stadia and Topographical Surveys  
Curves and Earthwork

### THIRD YEAR

*First Semester*

Highways  
Municipal Engineering

*Second Semester*

Railways  
Municipal Engineering

## ELECTRICAL ENGINEERING

### FIRST YEAR

*First and Second Semesters*

Shop Mathematics

Elementary Electricity

## SECOND YEAR

*First Semester*

Alternating Currents  
Mechanical Drawing  
or  
Applied Mechanics

*Second Semester*

Alternating Currents  
Mechanical Drawing  
or  
Strength of Materials

## THIRD YEAR

*First Semester*

Direct and Alternating  
Current Machinery  
or  
Telephony  
Steam Boilers and Engines  
or  
Electrical Measurements

*Second Semester*

Central Power Stations  
or  
Telephony  
Engine Testing  
or  
Electrical Measurements

Alternates in the third year will be given only every other year.

## MECHANICAL ENGINEERING

## FIRST YEAR

*First Semester*

Shop Mathematics  
Mechanical Drawing

*Second Semester*

Shop Mathematics—Advanced  
Shop Drawing

## SECOND YEAR

*First Semester*

Applied Mechanics  
Advanced Shop Work  
or  
Elementary Electricity

*Second Semester*

Strength of Materials  
Gas Engines  
or  
Plumbing

## THIRD YEAR

*First Semester*

Shop Management and Pattern Con-  
struction  
or  
Steam Engines and Engine Testing  
Heating and Ventilation  
or  
Mechanical Equipment of Buildings

*Second Semester*

Steam Boilers  
or  
Central Stations  
Alternating Currents  
or  
Elementary Machine Design

1. ARCHITECTURAL HISTORY. Twelve lectures illustrated with lantern slides, covering the ancient and Renaissance periods. One evening a week; second semester. Fee, \$5 a semester. FORSYTHE.
2. ELEMENTARY ARCHITECTURAL DESIGN. Shades and shadows and wash rendering. Architectural elements such as doors, windows, moldings, and the architectural orders; lectures and drawing. Open only to high-school students who have had mechanical drawing, or to those who have had one year or more in an architect's office, or who have had equivalent experience. Two evenings a week; both semesters. Monday and Thursday evenings, 7:30-9:30. Fee, \$7.50 a semester. FORSYTHE.

3. INTERMEDIATE ARCHITECTURAL DESIGN. Regular Class B "Analytique" or Order Problems of the Society of Beaux Arts Architects. Open only to those who have completed Course 1, or who have had two years or more in an architect's office, or who have had equivalent preparation in an architectural school. Two evenings a week; both semesters. Monday and Thursday evenings, 7:30-10:00. Fee, \$5 a problem, or \$10 a semester. JONES.

4. ADVANCED ARCHITECTURAL DESIGN. Class B, Plan Problems, and Class A, Problems of the Society of Beaux Arts Architects. Open only to those who have completed the required "Antalytique" or Order Problems, or to those who have had one or more years of design in an architectural school. Two evenings a week; both semesters. Monday and Thursday evenings, 7:30-10:00. \$5 a problem or \$10 a semester. JONES.

*Note.*—Regular instruction will be given on Monday and Thursday evenings, but students in these classes may work in the drafting rooms of the architectural department on other evenings, except Sunday.

5. MAP DRAWING. (a) Farm and city plats. (b) Real estate display maps. (c) Landscape architects' maps. (d) Topographic and hydrographic symbols. One evening a week; second semester. Fee for course, \$7.50 a semester. ZELNER.

6. LETTERING AND TITLES FOR ENGINEERS. Principally freehand Reinhardt lettering. Title lay-outs and lettering. One evening a week; first semester. Fee for course, \$7.50 a semester. ZELNER.

7. PLANE SURVEYING. Elements of plane surveying relating to method of chain, compass, transit and stadia surveys; leveling; methods of keeping field notes; determination of area of irregular plots; computation and plotting of field notes; care, use, and adjustment of instruments; methods of subdivision of the United States public lands. One evening a week; first semester, Fee \$7.50 a semester. CUTLER.

8. CURVES AND EARTHWORK. Mathematics of simple, compound, and spiral curves; preliminary and location surveys; plotting of profiles; vertical curves; cross-sectioning and computation of earthwork volume; methods of computation of haul; mass diagram, right-of-way and station ground maps. One evening a week; second semester. Fee, \$7.50 a semester. CUTLER.

9. CONCRETE MATERIALS: SELECTION AND TESTS. This course will cover the selection of materials entering into concrete, their properties and the tests to be applied. A study will be made of the proper combinations to obtain the best mixtures for given constituent materials at the lowest cost. Local materials will be used and those pursuing the course will make their own specimens and perform all the tests. One evening a week; first semester. Fee, \$7.50 a semester. McMILLAN.

10. REINFORCED CONCRETE. Covers the elements of the theory and practical design of reinforced concrete structures, including floors, roofs, walls, columns, foundations, and retaining walls. One evening a week; both semesters. Fee, \$7.50 a semester. **McMILLIAN.**
11. STRUCTURAL DESIGN. This course will include a treatment of structural mechanics and stress computation, and the elements of the principles and practice governing the design of tension and compression members, beams, girders, and columns. Prerequisite: An elementary working knowledge of mathematics through trigonometry, and some knowledge of elementary physics. One evening a week; both semesters. Fee, \$7.50 a semester. **MANEY.**
12. ELEMENTARY ELECTRICITY. This course will start with the simple laws of magnetism and advance through the theory of direct current machinery. Special attention will be given to direct current motors and generators, armature windings, commutators, and wiring diagrams. The course will be of value to those who wish to take up the study of alternating current machinery and power plants. Experiments will be made throughout the course. One evening a week; both semesters. Fee, \$5 a semester. **EDWARDS.**
13. ELEMENTS OF ALTERNATING CURRENTS. An experimental study of alternating currents, including the modifications of Ohm's law to include effects of inductance and capacity, the fundamental principles of the impedance coil, transformer, generator, motor, telephone transmitter and receiver, and the like. One evening a week; both semesters. Fee, \$7.50 a semester. **TURNER.**
14. DIRECT AND ALTERNATING CURRENT MACHINERY. The operation and maintenance of direct and alternating current generators, motors and electrical measuring instruments. A textbook by J. H. Morecroft will be used. One chapter will be taken each week, and a number of experiments will be made throughout the course. One evening a week; first semester. Fee, \$7.50 a semester. **RYAN.**
15. POWER STATION ELECTRICAL APPARATUS. A study of the problems involved in the operation and maintenance of direct and alternating current generators and motors, switchboards, electrical measuring instruments, and storage batteries. This course is designed for men connected with central stations and isolated plants. One evening a week; second semester. Fee, \$7.50 a semester. **RYAN.**
16. ELEMENTS OF TELEPHONY. Nature of voice sounds, construction and operation of receivers and transmitters, reading blue-prints and circuits, magneto and central-energy circuits, the electro-magnet as used in telephony, batteries and other generating apparatus, signalling apparatus. Some previous knowledge of alternating currents is desirable, but not absolutely necessary. The treatment will be elementary, using only simple mathematics. Experimental illustrations will

be given so far as practicable. One evening a week; second semester. Fee, \$7.50 a semester. SHEPARDSON.

17. SHOP MATHEMATICS. This course is designed to meet the needs of shop men, and affords an opportunity to take up engineering work of a higher grade. Practical shop problems will be thoroly discussed. This course together with one in drafting is essential for all other engineering branches. It will cover the subject of fractions, decimals, percentage, weights of materials, areas and volumes, thread cutting, gearing, belts and pulleys, the milling machine, and a general drill in equations and the use of formulae. One evening a week; both semesters. Fee, \$5 a semester. EDWARDS.
18. TRIGONOMETRY. This course is designed for those who have had the subjects of algebra and geometry and wish to pursue civil engineering studies. The solution of right and oblique triangles will be thoroly discussed and practical plane surveying problems will be given special attention. One evening a week; both semesters. Fee, \$5 a semester. EDWARDS.
19. ELEMENTARY APPLIED MECHANICS. A short, practical course in elementary mechanics designed to meet the needs of students who have had a limited training in mathematics. Numerical calculation, simple graphical calculations, forces, simple machines, work, power, and energy. One evening a week; first semester. Fee, \$5 a semester. BROOKE.
20. STRENGTH OF MATERIALS. An elementary course on the strength of materials, designed to follow the course in applied mechanics. The subjects to be treated are: the properties of materials, stress and strain, elastic and ultimate strength, deformations, principle of moments, moment of inertia, simple stresses, shear, riveted joints, the general elementary theory of beams, columns, and shafts. One evening a week; second semester. Fee, \$7.50 a semester. BROOKE.
21. TESTING OF MATERIALS. Investigation of the physical properties of various metals and other engineering materials, including the more common grades of commercial steels, wood, cement, concrete, ropes, cables, belting, chains, etc. Supplemented by lessons on the various materials of construction and standard methods of testing. One evening a week; first semester. Fee, \$7.50 a semester. SHOOP.
22. ENGINE AND POWER PLANT TESTING. This course is intended for stationary engineers who wish to become more efficient in their line of work. The course will consist of lessons supplemented by experimental demonstrations illustrative of certain portions of the work. Actual problems arising in power plant testing will be worked out in class with complete explanations and instruction for their solution. The laws of mechanics, heat, power, work, and energy will be applied to engine and power plant testing. One evening a week; first semester. Fee, \$7.50 a semester. SHOOP.

23. STEAM BOILERS AND ENGINES. Theory and practice of steam boiler operation; settings and accessories; type of boilers, chimneys, smoke prevention, mechanical stokers and economizers. Mechanism of the steam engine, work in the cylinder, steam distribution, effect of reciprocating parts. Indicator and indicator cards. Horsepower from cards; valve diagrams and valve setting. Exercises and problems. One evening a week; second semester. Fee, \$7.50 a semester. MARTIN.
24. PATTERN MAKING. A series of lessons on the theory and practice of pattern making. Open to mechanics and apprentices who are able to take the work with profit to themselves. A further course is offered to teachers who are now teaching manual training and desire to take up a more advanced branch of the work. This course can also be taken advantageously by those of mature years who wish to become teachers of manual training. One evening a week; first semester. Fee, \$7.50 a semester. RICHARDS.
25. PLUMBING. This course is designed to meet the needs of the practical shop man and will cover the principles of plumbing and the best practice in use at the present time. It is hoped that a standard text will be available. One evening a week; second semester. Fee, \$7.50 a semester. MARTENIS.
26. HEATING AND VENTILATING. The course will cover present heating and ventilating practice and is designed for heating contractors and others desirous of obtaining a fundamental knowledge of the subject. The plan of instruction includes a study of heat; methods employed for heating and ventilating buildings of various kinds; piping systems and temperature regulation. One evening a week; first semester. Fee, \$7.50 a semester. MARTENIS.
27. GAS ENGINES AND PRODUCERS. Principles of operation of two-cycle and four-cycle engines; cylinder construction and arrangement, system of speed control, ignition, and cooling. Application of the indicator and consideration of indicator diagrams. A study of the power gas producer, including suction and pressure types for various fuels; construction and operation of the generator and accessory apparatus. Application to various industrial purposes. One evening a week; first semester. Fee, \$7.50 a semester. MARTIN.
28. MECHANICAL DRAWING. How to make machine and structural drawings and how to read them from blue prints. This is a general course taking up the use of instruments, lettering, drawing views and sections of machine and structural parts, dimensioning them for shop use, making the finished working drawings and exercises in reading drawings. Some of the necessary geometry is taken up. The student's advancement depends on the outside time which he is able to put in. Instruction is given individually. This course is a prerequisite and

- leads to course 29, Advanced Mechanical Drawing; (one evening a week); both semesters. Fee \$7.50 per semester. FRENCH.
29. ADVANCED MECHANICAL DRAWING. A practical course in drafting and drafting room methods taking up the detail of machine parts as; fastenings, screws, bolts, rivets and riveted joints; keys, cotters and pins; pipes and pipe fastenings; bearings and journals; pulleys and belting; spur gears, bevel gears, and spiral gears; cams, link motions, etc.; the application of empirical design and the principles of mechanics; assembly, diagrammatic and layout drawings. It is assumed that the student has a previous knowledge of drawing equivalent to course 28, (one evening a week); both semesters. Fee, \$7.50 per semester. ROWLEY.
30. ENGLISH FOR ENGINEERS. A course in practical English, designed to meet the professional needs of engineering students. The material of this course will include business letters—about twelve types; reports; estimates; instructions, etc. Some attention will be given to oral English. The underlying purpose of this course is to acquaint the student with the various kinds of business letters, reports, etc., and to teach him how to prepare and use them effectively. A secondary purpose is to show the prospective engineer that training in expression—written or oral—is training in clear, straight thinking and hence is a real stimulus to general efficiency. Students will be expected to do a certain amount of writing and to take part in the weekly discussions of problems bearing upon the work of the course. Ability to write simple, grammatically correct English is a prerequisite to this course. One evening a week; both semesters. Fee, \$7.50 per semester. NICHOLS, VIET'S.
31. CALCULUS. A short course in calculus will be offered to those who have completed trigonometry. Stress will be laid upon the various derivatives and their application to tangents, normals, evolutes, involutes, envelopes and maxima and minima. A few of the more important integrals relating to engineering will be given. This course is intended to give the student a working knowledge of calculus and the value it has in the engineering field. One evening a week; both semesters. Fee, \$7.50 per semester. EDWARDS.

## COURSES IN LAW

### SCOPE OF COURSE

University Extension courses in substantive law will be given under the immediate direction of the Faculty of the Law School in Contracts, Torts, Personal Property, Agency and Real Property during the academic year 1916-17, provided that at least twenty students make application for the same. These courses are designed primarily for the benefit of those persons who desire legal instruction for the purpose of better qualifying themselves for business careers. They do not lead to a degree.

### TIME AND PLACE OF INSTRUCTION, AND TEXTBOOKS

All instruction in Law will be given at the Law Building of the University of Minnesota, Minneapolis. Class exercises will be held on the evening of each week day, excepting Saturday, during the session, beginning at 7:30 and extending not later than 9:30.

For the present, at least, textbooks used by students in pursuing the courses will be loaned by the University free of charge, upon payment of a deposit fee of \$5.00. This deposit will be repaid upon the student's returning in good condition all of the books loaned to him during the year.

### REQUIREMENTS FOR ADMISSION

The requirements for admission to the Extension courses in Law are in general the same as for the day courses in the College of Science, Literature, and the Arts; namely, either (1) passing special entrance examinations, (2) graduation from an accredited high school, or (3) evidence by certificate, of equivalent scholastic preparation.

By special arrangement, persons who are at least twenty-one years of age, and who do not comply with the general requirements as above outlined, may enter the evening courses in Law. In such cases, it will be necessary for applicants to satisfy the department that they are adequately fitted to carry the proposed work.

### UNIVERSITY CREDIT FOR EXTENSION WORK IN LAW

Students who show special aptitude may receive credit in Extension courses towards a degree in Law. Any student who has completed with marked success any Extension course will be admitted to the regular Law School examination in that subject, and, if successful, will be given full credit.

### FEES

The tuition fee for the regular Extension Course in Law is \$50 a year, payable one-half at the beginning of the first semester and one-

half at the beginning of the second semester. Students taking less than the whole course will be required to pay at the rate of \$5.00 for each recitation a week for each semester. No other charge of any kind will be made excepting the deposit required for the safe return of textbooks loaned, as indicated above.

#### REGISTRATION

From September 25 to October 7 the office of the Dean in the Law Building will be open for the purpose of giving information and registering students for the Extension Law courses every evening, except Saturday and Sunday, from 7:30 to 9:30. At other times, and for further particulars apply to Director of the General Extension Division, University of Minnesota, Minneapolis.

#### COURSES GIVEN IN 1916-17

The courses given are described in outline below.

1. PERSONAL PROPERTY. This course includes a consideration of the distinction between real and personal property; the acquisition of title to personal property other than by sale; accession, confusion; gifts; finding; property rights of bailor and bailee; possessory liens and pledges. One hour; first semester.
2. CONTRACTS. This course deals with the general principles of the Law of Contracts. The student considers full the rules governing the making of contracts, their operation and discharge, and the legal consequences of a breach of contract. The general purpose of the course is to afford a foundation for the later study of the important kinds of specific contracts, such as those of agency, bailments, partnership, commercial paper and sales, which are considered in separate courses. Two hours throughout the year.
3. TORTS. This course treats of trespasses to persons and property; the conversion of goods; slander, libel, and malicious prosecution; deceit; negligence; and statutory torts. Three hours, first semester.
4. REAL PROPERTY. This course covers a general treatment of estates in real property, the rights incident to ownership of realty, powers, uses and trusts, easements, and the methods of transferring rights in real estate. Two hours, second semester.
5. AGENCY. Principal and agent, master and servant—their rights and obligations, mutually and as to third persons; creation and termination. Wambaugh, *Cases on Agency*. Second semester, two hours.

## AGRICULTURAL EXTENSION DIVISION

For details relative to Extension Courses offered by the College of Agriculture, address the Agricultural Extension Division, University Farm, St. Paul.

## OTHER BULLETINS

In addition to the present publication, the General Extension Division also issues the following:

Bulletin of Correspondence Courses

Bulletin of Extension Lectures

They will be sent free to any interested person upon request. All inquiries should be addressed to the

General Extension Division,  
The University of Minnesota,  
Minneapolis

## REGISTRATION 1915-1916

### DEPARTMENT OF COLLEGIATE INSTRUCTION

#### MINNEAPOLIS

- Adams, Emma N., 3136 Portland Av.  
Adams, Julia O., Hampshire Arms  
Adams, Ruth, 906 5th St. S.E.  
Adler, Birdie H., 16 N. Franklin Av.  
Ainsworth, Alice, 1788 Hennepin Av.  
Akre, Belle C., 412 Oak St. S.E.  
Albright, Nora B., 125 W. 15th St.  
Aldrich, Malcolm, Hopkins, Minn.  
Aldrich, Ruth A., Hopkins, Minn.  
Alkerton, Margaret, 2645 Humboldt Av.  
Allee, Anne M., 2437 14th Av. S.  
Allen, Egbert L., 3436 Portland Av.  
Almquist, Herman E., 1410 Fremont Av.  
N.  
Alseen, Myrtle, 1209 Oliver Av. N.  
Alterton, Mrs. R. F., 2645 Humboldt Av.  
Amonson, Maude, 1800 13th Av. S.  
Amonson, Nettie, 1800 13th Av. S.  
Anderson, Bert G., Y.M.C.A., St. Paul  
Anderson, Edward D., 929 8th St. S.E.  
Anderson, Florence C., 2009 S. 9th St.  
Anderson, Lydia H. (Mrs.) 1809 10th  
Av. S.  
Anderson, Margaret E., 816 9th Av. S.E.  
Anderson, Nora C., 1222 Mary Place  
Anderson, Paul, R., 826 20th Av. N.E.  
Andresen, Adeline, 1614 Stevens Av.  
Andrews, Bernice, 3132 5th Av. S.  
Angst, Alice D., 91 Highland Av.  
Angwick, Alma K., 1326 Vine Place  
Anthony, Maude, 1715 Portland Av.  
Apfeld, Joscphine J., 3032 Irving Av. S.  
Archer, Helen M., 4237 Linden Hills Blvd.  
Armstrong, J. Chester, 4254 Queen Av. N.  
Arnell, Mabel D., 2812 Grand Av. S.  
Atwell, Mrs. D. G., 62 S. 11th St.  
Babb, Charles G., 3403 Pleasant Av. S.  
Bacon, Eleanor J., 1310 S. 7th St.  
Bailcy, Louise E., 1037 12th Av. S.E.  
Baillie, Jean E., 3133 Hennepin Av.  
Baird, Emma L., 2310 Emerson Av. S.  
Baldwin, Louise V., 2219 Dupont Av. S.  
Ballard, Hulda, 3335 Humboldt Av. S.  
Ballow, Edith S., 1618 Girard Av. N.  
Barber, Laura, 1605 Stevens Av.  
Barker, Nellie I., 710 10th St. S.  
Barney, Edith M., 2118 Cedar Av.  
Barry, Florence M., 1015 E. 28th St.  
Barry, Lena E., 2546 Aldrich Av. S.  
Barry, Mary E., 1929 3rd Av. S.  
Bartlett, Mae L., 2547 Blaisdell Av.  
Bartz, Lillian E., 2814 Girard Av. N.  
Bauman, Helen L., 91 Ash St.  
Baxter, Margaret, 134 E. 18th St.  
Beach, Rowena E., 2708 Colfax Av. S.  
Bean, Mary W., 716 Laurel Av., St. Paul  
Beck, Frieda, 202 S. 13th St.  
Beckstrom, Emily, 1330 Monroe St., S.E.  
Begin, Z. L., 527 5th Av. S.E.  
Beidler, Mary A., 2202 Portland Av.  
Bell, Jane E., 3408 2nd Av. S.  
Bell, Mabel V., 77 Ash St.  
Benjamin, Florence H., 3115 Calhoun  
Blvd.  
Benjamin, Paul L., 4280 Queen Av. N.  
Bennett, Muriel, 1933 James Av. S.  
Benton, Mrs. C. W., North High School  
Benton, Mrs. J. L., 3640 Portland Av.  
Ber, Adelaide, 1710 Stevens Av.  
Bevernick, A. W., 3555 Fremont Av. S.  
Bezanson, Edith E., 3432 Chicago Av.  
Bjork, Peter N., 748 Pine St., St. Paul  
Blodgett, Della H., 82 S. 12th St.  
Blosno, Oscar J., 732 Leamington  
Boardman, Charles W., 3315 W. 15th St.  
Boehner, Carl E., 120 E. 14th St.  
Bovy, Henry T., 1262 Raymond Av.  
Boyd, Helen W., 3336 Irving Av. S.  
Brackey, Elizabeth H., 707 E. 14th St.  
Bradford, Clarice, 1413 University Av.S.E  
Breager, Frank S., 2326 26th Av. S.  
Breman, Jessie, 1780 Bryant Av. S.  
Bresky, Eleanore H., 1909 1st Av. S.  
Brickley, Margaret C.  
Brill, Esther, 823 16th Av. S.E.  
Broderick, Florence, 904 University Av.  
S.E.  
Broderick, Thomas M., Riverside Apts.  
Broderson, Clara, 2548 Filmore St. N.E.  
Brooks, Grace J., 802 W. Franklin Av.  
Brooks, Hazel J., 2615 Columbus Av.  
Brosius, Elizabeth L., 117 Broadway N. E.  
Brown, Adda, 1800 Stevens Av.  
Brown, Annette, Leamington Hotel  
Brown, D. Grace, 2439 Blaisdell Av.  
Brown, Eliza K., 2412 Garfield Av. S.

- Brown, Luella M., 819 2nd Av. S.  
Brown, Mrs. James, Leamington Hotel  
Browne, W. J., 3505 Fremont Av. S.  
Brownlow, Lillian, Hotel Leamington  
Bruce, Rena J., 2417 Columbus Av.  
Buchanan, Anabel, 2400 Nicollet Av.  
Buckley, Margaret C., 648 Van Buren St.  
N.E.  
Buckman, Mrs. Ella, 3928 Richfield Road  
Buell, Annie W., 2219 Knapp St., St. Paul  
Buell, Myra, 2219 Knapp St., St. Paul  
Buehrer, Bertha E., 237 Pleasant Av.,  
St. Paul.  
Bullard, Irma L., 3213 2nd Av. S.  
Bulman, Korrine, 3924 Pillsbury Av.  
Burchard, Margaret, 3341 Grand Av.  
Burns, Louise (Mrs.), 1715 Portland Av.  
Busian, Zella, 2544 Pillsbury Av.  
Bye, Edwin, 2029 Clinton Av.  
Byrnes, Mary S., 325 Franklin Av.  
Byron, Marian E., Sanford Hall  
Cady, Katherine R., 317 Harvard St., S.E.  
Cady, L. H., 317 Harvard St. S.E.  
Calhoun, Elsie M., 2318 N. Fremont Av.  
Callahan, Ida M., 909 Summit Avenue  
Cameron, Malvena M., 4055 Pillsbury Av.  
Cameron, Neil A., 3503 33rd Av. S.  
Camp, Ona E., Hotel Berkeley  
Carey, Anna E. V., 4745 Lyndale Av. S.  
Carey, Mary L., 4745 Lyndale Av. S.  
Carlson, Alfred M., 223 Harvard St. S.E.  
Carlson, Ida M., 1409 Stevens Av. S.  
Carpenter, Martha E., 3247 Stevens Av.  
Carroll, Catherine, 413 20th Av. S.  
Carroll, Teresa, 413 20th Av. S.  
Carson, Edwin S., 408 4th St. S.E.  
Case, M. Maud, 1320 7th St. S.E.  
Case, Mildred, 3146 Longfellow Av.  
Casselman, Kenneth, 1238 W. Minnehaha  
Av., St. Paul  
Cederburg, Signe, 689 Bedford St., S.E.  
Chaline, Edith J., 2735 Garfield Av. S.  
Chapel, Winnie M., 1834 Irving Av. N.  
Chapin, Blanche I.  
Cheney, Mrs. W. B., 4237 Washburn Av.  
Chisholm, Catherine T., 2808 Fremont Av.  
Chmelik, Ignus A., Pine City, Minn.  
Christensen, Emma D., 635 E. 17th St.  
Christian, Lela B., Hotel Waverly  
Christie, Blanche, 2906 Humboldt Av. N.  
Church, Mrs. Sherwood, 121 S. 11th St.  
Clarke, Mary E., 3132 42nd Av. S.  
Cleveland, Elaine, 531 S.E. 8th St.  
Cleveland, Esther M., 531 8th St. S.E.  
Cobb, Martha L., 3136 Holmes Av. S.  
Coffee, Mabel, 2123 Aldrich Av. S.  
Cole, Emma, 628 4th St. S.E.  
Cole, Ruth F., 1228 5th St. S.E.  
Colligan, Mary R., 134 E. 18th St.  
Collins, Margaret E., 4207 Vincent Av. S.
- Colquhoun, Flora, 1303 Hawthorn Av.  
Comer, Jennie E., 1078 16th Av. S.E.  
Comer, Zoe, 1078 16th Av. S.E.  
Condon, Elizabeth C., 24 W. Grant St.  
Connell, Mary E., 4013 Sheridan Av. S.  
Conroy, Mary H., 1710 15th Av. S.  
Cooley, Clara D., Hotel Clinton  
Cooley, Fannie E., 3135 Humboldt Av. S.  
Cooper, Helen, 618 5th St. S.E.  
Cornish, Bessie H., 2930 Clinton Av.  
Cort, Maud O., 4312 Linden Hills Blvd.  
Countryman, Roger S., 213 Avon St., St.  
Paul  
Coveny, Mary J., 1522 Emerson Av. N.  
Cox, Carrie I., 3208 3rd Av. S.  
Crandall, Eleanor A., 4237 Linden Hills  
Blvd.  
Crane, Jennie C., 3043 Humboldt Av. S.  
Crane, Laura A., 100 Seymour Av. S.E.  
Cratty, Mabel E., 231 Curtis Court  
Crawford, Bonnie B., 1225 5th St. S.E.  
Crawford, Mary E., Curtis Court  
Croasdale, Inez S., 1401 Yale Place  
Crombie, Grace, 415 E. Franklin  
Cummins, George H., 3308 Irving Av. S.  
Dahleen, Harry W., 1214 4th St. S.E.  
Davidson, Emma L., 507 15th Av. S.E.  
Davidson, Lois C., 3120 Dupont Av. S.  
Davies, Pearl J., 3205 Fremont Av. S.  
de Camp, A. Lee, 1608 W. 25th St.  
de Camp, Malvina A., 1608 W. 25th St.  
de Greif, Agnes M., 1301 7th St. S.E.  
Deming, Norma H., Harvard Chambers  
Densmore, Lydia M., 601 W. Franklin Av.  
Devaney, Mary R., 1629 4th St. S.E.  
Devany, Anne, 30 Lawrence Av.  
Dickie, Mary L., 600 Essex St. S.E.  
Diederick, Rose E., 1933 Ashland Av., St.  
Paul  
Diehan, Anna M., 2327 Irving Av. N.  
Dolan, Mrs. F. M., 3315 University Av.  
S.E.  
Dollenmayer, Dorothy E., 724 E. 25th St.  
Dougherty, Sada, 3118 Park Av.  
Drake, Mary J., 608 E. Franklin Av.  
Draper, Annie M., 1215 W. 31st St.  
Drohan, Gertrude, 2716 Portland Av.  
Drohan, Margaret, 2716 Portland Av.  
Drummond, Amy, 9 E. 25th St.  
Dugas, Joseph G., 1416 Blair St., S  
Paul  
Dunbar, Louise E., 3140 Holmes Av.  
Duval, Agnes E., 1425 Vine Place  
Dwyer, Elizabeth, 600 Washington Av.  
S.E.  
Dwyer, Vivian, 600 Washington Av. S.E.  
Eaton, Nellie R., 1019 26th Av. N.E.  
Eayrs, Helen F., 80 Orlin Av. S.E.  
Edgerton, Bessie, 2919 Girard Av. N.  
Edson, Mary C., Leamington Hotel

- Edwards, Mae L., 3312 1st Av. S.  
 Egan, Elizabeth M., 1613 3rd Av. S.  
 Ellertson, Oscar, 417 Oak St.  
 Elliott, Mrs. C. B., 2538 Humboldt Av. S.  
 Erb, Nellie M., 1415 Dupont Av. N.  
 Erickson, Beda, 3010 Girard Av. N.  
 Erickson, Ruth C., 3338 Humboldt Av. S.  
 Estes, Vera M., 212 E. 36th St.  
 Evans, Carrie M., 1786 Hennepin Av.  
 Everhard, Mabel, 134 E. 18th St.  
 Fairchild, Elinor Z., 1115 Hawthorne Av.  
 Fairchild, Harriett, 1115 Hawthorne Av.  
 Farnham, Paul B., 2135 Irving Av. N.  
 Fassett, John S., 1514 3rd Av. S.  
 Fausy, Adaline, 517 8th St. S.E.  
 Fawcett, Jessie E., 1846 Dayton Av., St. Paul.  
 Fay, Cordelia A. (Mrs.)  
 Featherstone, Harriet, 3639 Stevens Av.  
 Ferguson, Amie L., 2742 Fremont Av. S.  
 Ferguson, Ida M., 2742 Fremont Av. S.  
 Ferrian, Walter S., 116 4th St. S.E.  
 Fettely, Anna M., 217 20th Av. S.  
 Fields, Nellie M., 36 Spruce Place  
 Filbert, Madame Christian, 1775 Hennepin Av.  
 Finden, Sitona, 819 2nd Av. S.  
 Finn, Delia A., 1515 Vine Place  
 Finnegan, Catherine E., 1930 Clinton Av.  
 Finnegan, Josephine A., 1930 Clinton Av.  
 Finnegan, Nellie L., 1317 2nd Av. S.  
 Finsett, Amelia, 3032 Irving Av. S.  
 Firestone, Emma, 1320 7th St. S.E.  
 Fisher, Robt. McC., 2115 Harriet Av.  
 Fish, Florence, 2303 3rd Av. S.  
 Fitzgerald, Anna C., 1812 Bryant Av. S.  
 Fitzgerald, Caroline A., 2318 Pierce St.  
 Fitzgerald, Margaret, 1815 4th Av. S.  
 Fitzgerald, Teresa G., 1501 5th St. S.E.  
 Fitzpatrick, Lucy, Hotel Hastings  
 Fitzpatrick, Mary A., Hotel Hastings  
 Flaherty, Catherine, 2419 Colfax Av. S.  
 Flathava, Teresa, 2531 16th Av. S.  
 Fletcher, Cora V. (Mrs.), 2757 Bryant Av. S.  
 Flood, John C., 211 S. 11th St.  
 Flynn, Henrietta, 1700 Portland Av.  
 Foote, Miriam O., 1054 S.E. 14th Av.  
 Ford, Mary F., 1939 Bryant Av. S.  
 Forester, Fannie M., 3423 Portland Av.  
 Fosness, John L., 329 19th Av. S.E.  
 Foster, Rachel H., 32 Spruce Place  
 Fowler, Alice J., 209 S. 11th St.  
 Foxlee, Frederick L., 4147 Vincent Av. S.  
 Francis, Harriet A., 1671 Hague Av., St. Paul  
 Francis, Helena L., 1671 Hague Av., St. Paul  
 Foxton, Joseph, 411 Walnut St. S.E.  
 Frelin, Jules, 1206 5th St. S. E.
- Friedlander, Lillian, 607 Forest Av.  
 Frisch, Sarah B., 1415 8th Av. N.  
 Frizzell, Marie A., 3304 Elliot Av.  
 Frosbaug, Eva E., 306 10th Av. S.E.  
 Frost, Edith L., 4625 Washburn Av. S.  
 Fullenwider, Mrs. T. I., 611 Delaware St. S.E.  
 Fuller, Mabel, 917 Chicago Av.  
 Galland, Mrs. Belle B., 4042 Linden Hills Blvd.  
 Galvin, Eugene F., 621 2nd St. N.E.  
 Garvey, Florence M., 1215 W. 31st St.  
 Gates, Myrtle L., 1620 3rd Av. S.  
 Gaus, Ottillie J., 2915 W. 44th St.  
 Gedney, Mrs. E. L., 1808 W. 31st St.  
 Goldman, David, 815 14th Av. S.  
 Gerdes, Robert L., 1218 25th Av. N.  
 Gibbon, Grace, 1788 Hennepin Av.  
 Gibbs, Anna F., 2618 Dupont Av. N.  
 Gilbert, Terence W., 1206 S.E. 5th St.  
 Gilkey, Katherine, 2416 Chicago Av.  
 Gilman, Louise, 3417 Park Av.  
 Gilruth, Genevieve, 412 Walnut St. S.E.  
 Gleason, Rev. Leo P., 4600 11th Av. S.  
 Glessner, Jean, 613 University Av. S.E.  
 Goetzman, Leon M., 2315 Quincy St. N.E.  
 Goodale, Ina L., 1413 Willow St.  
 Gorgen, Mary A., 1515 Vine Place.  
 Gorman, Philip T., 1523 Portland Av.  
 Gould, Ella C., 3217 Nicollet Av.  
 Grahl, O. W., 77 Iglehart Av., St. Paul  
 Grandy, Eleanor, 1606 Emerson Av. N.  
 Grant, Alex L., 3000 Humboldt Av. N.  
 Grant, Helen S., 3304 Elliot Av.  
 Graves, Alice M., 407 4th St. S.E.  
 Graves Arthur R., 407 4th St. S.E.  
 Graves, Helen, 4857 Emerson Av. S.  
 Greenly, W. L., 2428 Nicollet Av.  
 Grenager, Gudran, 1409 Stevens Av.  
 Grey, Lillian F., (Mrs.) 3423 Portland Av.  
 Grobel, Olive A., 1927 Elliot Av.  
 Groesbeck, Agnes (Mrs.), 2020 Fremont Av. N.  
 Guest, J. Eustace, Y.M.C.A.  
 Grout, Edith N., 3104 James Av. S.  
 Gullette, Albert, 2522 Filmore St. N.E.  
 Hage, Lillian C., 2201 Bryant Av. S.  
 Hage, Maud G., 2201 Bryant Av. S.  
 Hagen, Agnes C., 637 Grand Av., St. Paul  
 Hainer, Gertrude B., 2623 1st Av. S.  
 Halbert, Lucy E., 4939 Girard Av. S.  
 Hall, Robert A., 602 Essex St. S.E.  
 Hall, Mrs. R. A., 602 Essex St. S.E.  
 Hallingsworth, Ralph, 1107 13th Av. S.E.  
 Hallock, Olive N., 608 Oak St. S.E.  
 Hallowell, Jr., Morris L., The Ingleside  
 Halvorsen, Josephine M., (Mrs.) 2117 Harriet Av.  
 Hamilton, Eleanor J., St. Barnabas Hosp.  
 Hammond, Alice E., 309 W. 27th St.

- Hajmmond, Grace H., 309 W. 27th St.  
 Hamstreet, Earl W., 311 E. 22nd St.  
 Haney, Elizabeth, 4437 Washburn Av. S.  
 Hankey, Clara B., 1431 Adams St.  
 Hansen, Meta, 1522 Fremont Av. N.  
 Hanson, Olga S.  
 Harding, Everhart P., 819 Essex St. S.E.  
 Harding, Nellie, 1831 Park Av.  
 Hardgrove, Ellen M., 1521 Vine Place  
 Harger, Lena L., 1906 3rd Av. S.  
 Harrington, Julia G., 507 4th St. N.E.  
 Harrington, Lucy, 440 University Av. S.E.  
 Hart, Mabel R., 2643 S. Lyndale  
 Hartig, J. H., 405 W. 24th St.  
 Hartig, Mrs. J. H., 405 W. 24th St.  
 Hartney, J. Leo, 1410 5th St. S.E.  
 Hartwell, Arthur W., 2116 2nd Av. S.  
 Hasberg, Axel B., 2503 17th Av. S.  
 Haseltine, Julia M., 3109 Fremont Av. N.  
 Haserick, C. V., 1614 Girard Av. N.  
 Hatz, Anna B., 128 E. 18th St.  
 Hatz, Rose, 128 E. 18th St.  
 Haubold, Elsie, 3020 Minnehaha Av.  
 Haubrick, Genevieve, 307 3rd Av. S.E.  
 Hauer, Marie E., 3628 Pleasant Av.  
 Haven, Kittie, 3145 Stevens Av.  
 Hawkins, Catherine S., 1523 N. Fremont Av.  
 Hawley, Edward W., 323 11th Av. S.E.  
 Hawley, Luelah J., 323 11th Av. S.E.  
 Hayes, Anna M., 1701 University Av. S.E.  
 Hayes, Bridget, 1701 University Av. S.E.  
 Hayes, Effie M., 2610 W. 41st St.  
 Haynes, Stanley H., 703 River Road East  
 Hays, Ada S., 3348 1st Av. S.  
 Hefferman, Susan, 2633 Humboldt Av. S.  
 Hegel, Edith, 1310 7th St. S.  
 Hellberg, Oscar A., 202 13th St. S.  
 Helliwell, Clara E., 3341 2nd Av. S.  
 Hendrix, Julia W., 2408 Nicollet Av.  
 Hennemuth, Prilla, St. Barnabas Hospital  
 Hennessey, Amy, 1615 1st Av. S.  
 Hennessey, Julia F., 1610 3rd Av. S.  
 Hickey, Ora L., 2724 Chicago Av.  
 Higbee, Margaret G., 2142 Knapp St., St. Paul  
 Hilder, Fannie E., 1101 7th St. S.  
 Hildrup, Helen L., Leamington Hotel  
 Hill, Margaret E., 354 Curtis Court  
 Hirschfelder, Mrs. A.D., 2113 Oliver Av.S.  
 Hiscock, Isabelle, 715 13th Av. S.E.  
 Hiscock, Jennie I., 715 13th Av. S.E.  
 Hitchcock, Elizabeth, 2209 Chicago Av.  
 Hixon, Blanche, 808 4th St. S.E.  
 Hodel, Earl M., 1934 Pierce St. N.E.  
 Hoeborn, Elizabeth A., 679 Lincoln Av., St. Paul  
 Holbert, Lucy E., 4939 Girard Av. S.  
 Holden, Margaret, St. Barnabas Hospital  
 Holman, Maude E., 354 Curtis Court  
 Holmer, Valentine C., 523 Walnut St. S.E.  
 Hood, Leone B., 1501 Linden Av.  
 Hooper, Myrtle U., 1915 Hennepin Av.  
 Hopkins, Mary D., 1629 4th St. S.E.  
 Horan, Elizabeth, 1802 15th Av. S.  
 Hormer, Lillian A:  
 Hoer, Edith M., 1321 22nd Av.  
 Hosmer, Frank H., 3721 Portland Av.  
 Howard, Margaret L., 3429 Columbus Av.  
 Howe, Grace A., 4010 Upton Av. S.  
 Howe, Jane A., 4010 Upton Av. S.  
 Howe, Mary S., Curtis Court  
 Hoyt, Cleo, F., 84 Spruce Place  
 Hubachek, Mrs. L. A., 4601 Lyndale Av.S.  
 Hubert, Florence M., 1322 Lowry Av. N.E.  
 Hudson, Irena May, 1777 Colfax Av. S.  
 Hughes, Charles L., 1706 2nd Av. S.  
 Hughes, H. E., 1800 W. 31st St.  
 Hughes, Harriet J., 2400 Aldrich Av. S.  
 Hughes, Margaret E., Hotel Berkeley  
 Hughson, Florence M., 2749 Bryant Av. S.  
 Hulett, Ethel R., 5017 Lyndale Av. S.  
 Hulett, Jessie I., 5017 Lyndale Av. S.  
 Hullsick, Florence J., 853 Raymond Av., St. Paul  
 Hult, Katherine A., 1521 7th St., S.E.  
 Husse, Tillie, 1400 Yale Place  
 Hussey, Martha L., 627 E. Franklin Av.  
 Huston, Robert, 165 - 14th Av. N.E.  
 Ingle, Jeanette N., 2724 Chicago Av.  
 Irle, Maud, 1684 Dayton Av.  
 Irving, Alice M., 833 Sumner St. N.E.  
 Irwin, Anna, 429 Oak St.  
 Irwin, Joe, 429 Oak St.  
 Isaacson, Emma M., 1823 13th Av. S.  
 Isca, Arthur W., 2609 Hennepin Av.  
 Jackson, Margaret 436 Harvard St. S.E.  
 Jacobson, Elizabeth K., 2638 Fremont Av. N.  
 James, Mary L., 1906 3rd Av. S.  
 Janzen, Gerhard, 2701 Girard Av. N.  
 Japs, Amelia R., 2407 Grand Av. S.  
 Jaquish, Bessie D., 126 W. Grant St.  
 Jasperson, Eva, 1515 Vine Place  
 Johnson, Anna F., 62 S. 11th St.  
 Johnson, Delia, 2704 11th Av. S.  
 Johnson, Dora U., Curtis Court  
 Johnson, Elizabeth, 1113 Hawthorn Av.  
 Johnson, F. G., 3020 Clinton Av.  
 Johnson, H. E., 1512 Brook Av. S.E.  
 Johnson, Jennie, 2108 Chicago Av.  
 Johnson, Lillian, 64 Barton Av., S. E.  
 Johnson, Mabel C., 1334 Monroe St. N.E.  
 Johnson, Milda, 2636 Chicago Av.  
 Johnson, Oscar G., 1601 University Av. S.E.  
 Johnston, Harriet C., 4626 Fremont Av. S.  
 Johnston, J. Wm., 2915 W. 44th St.  
 Jones, Addie M., 3936 Grand Av.

- Jones, Anna R., 2634 Penn Av. N.  
 Jones, Hallie E., 1918 Robbins Av., St. Paul  
 Jones, Jane B.  
 Jones, Pearl B., 739 E. 16th St.  
 Jordan, F. G., 2508 Grand Av.  
 Jordan, Helen, 1400 W. 26th St.  
 Joyce, Floyd E., 412 9th Av. S.E.  
 Junkermier, Marie, 905 Summit Av.  
 Kamman, Ina A., 128½ Eaton Av.  
 Kammarren, Abigail, 1428 N. 6th St.  
 Kamrath, Bertha M., 3141 Elliot Av.  
 Kane, Adelia L., 84 Spruce Place  
 Katen, Helen K., 46 Curtis Court  
 Keating, Anna B., Hotel Decorah  
 Kelly, Evin F., Curtis Court  
 Kerr, Maud M., 1821 Elliot Av.  
 Kerr, Mary, 1708 Portland Av.  
 Keys, Mary F., 3513 Bloomington Av.  
 Kilgore, Alice, 2634 Fremont Av.  
 Kilham, Lena E., 3232 Stevens Av.  
 Killeen, Florence M., Ogden Apts.  
 Killeen, Ursula M., Ogden Apts.  
 Kimball, Florence, 508 Oak St. S.E.  
 King, Julia E., 3552 Bryant Av. S.  
 Kingsford, Annie S., 1311 Chestnut Av.  
 Kingsley, A. G., 90 S. Snelling Av.  
 Kirk, Renie J., St. Barnabas Hospital  
 Klein, Elizabeth, Hotel Decorah  
 Klopsteg, Paul E., 328 Oak St., S.E.  
 Knapp, Edward A., 471 Marshall Av., St. Paul  
 Knight, Sara C., 317 Oak Grove St.  
 Knoblauch, Ida, 2500 Lake Place  
 Kocourek, Mary, 604 Oak St. S.E.  
 Koenig, Myra M., 602 7th St. S.E.  
 Kohler, Katherine M., Hotel Berkeley  
 Krauser, Alois, 43 N. 15th St.  
 Kriedt, Julia, Curtis Court  
 Krogstadt, Marie C., 234 W. Lake St.  
 Kyllingstad, Gertrude, (Mrs.) 4740 Nicollet Av.  
 Ladner, Emily, 311 7th Av. S.E.  
 La Du, Roy W., 960 27th Av. N.E.  
 Lambert, Mamie E., 3409 1st Av. S.  
 Laney, Albert G., 2415 Lake Place  
 Langvick, Clara, 329 Oak St. S.E.  
 Langvick, Emma M., 329 Oak St. S.E.  
 La Palme, Alma A., 2037 Crystal Lake Av.  
 Larson, Helen I., 541 Rondo St., St. Paul  
 Larson, Ida M., 1806 11th Av. S.  
 Larson, Laura K., 327 Church St. S.E.  
 Laubscher, Florence E., 907 8th St. S.E.  
 La Vigne, Mary E., 1906 Park Av.  
 Leary, Iva M., 1515 Vine Place  
 Leavitt, Clara K., 2015 James Av. S.  
 LeGros, Theodore C., City Hospital  
 Lenart, Etta, 3338 Humboldt Av. N.  
 Lentz, Mrs. Bernard, 1318 7th St. S.E.  
 Leonard, Alice E., 1023 14th Av. S.E.  
 Levy, Florence, 2541 Harriet Av.  
 Lewis, Adelaide H., 702 Russell Av. N.  
 Lewis, Harriet A., 702 Russell Av. N.  
 Lewis, J. L., 776 N. Hamline Av., St. Paul  
 Liedl, Rose M., 606 7th St. S.E.  
 Lilley, Elizabeth A., 2818 Fremont Av.  
 Little, Dorothy A., 3821 W. 43rd St.  
 Litzenberg, Jennie S., (Mrs.) 3137 Park Av.  
 Long, Frances L., 112 State St. S.E.  
 Loth, A. B., 1711 Queen Av. N.  
 Lovelace, D. W., 927 2nd Av. S.  
 Lovell, Lela L., 3032 Irving Av. S.  
 Ludermann, Caroline, 602 Essex St. S.E.  
 Lumley, Charles, 1120 7th St. S.E.  
 Lundstrom, Walter H., 3114 4th St. S.E.  
 Lyons, Mae Louise, 518 Ridgewood Av.  
 Lyskett, Sylvan L., 800 Cedar St., St. Paul  
 Maclean, Marjorie, 2641 Fremont Av. N.  
 McAlister, Gladys M., 4300 Colfax Av. S.  
 McAuliffe, Agnes, 909 Summit Av.  
 McAuliffe, Kate, 815 4th Av. S.  
 McBride, Emily R., 2105 Bryant Av. S.  
 McCall, Bessie, 3040 Harriet Av.  
 McCall, Nina B., 3040 Harriet Av.  
 McCarron, Jane 815 6th St. S.E.  
 McCarthy, Charles P., 304 State St. S.E.  
 McClelland, Edith, Hotel Leamington  
 McClelland, Margaret S., 715 University Av. S.E.  
 McConnell, Claire D., 3135 Oakland Av.  
 McCool, F. P., 4000 Nicollet Av.  
 McCormack, Katherine B., 1907 1st Av. S.  
 McCormick, Myrtle C., (Mrs.) 2530 Dupont Av. S.  
 McCoy, Alice, 2400 Dupont Av. N.  
 McCoy, Rhoda, 2400 Dupont Av. N.  
 McCue, Elizabeth, 1617 Bryant Ave. N.  
 McCulloch, F. B., 221 Curtis Court  
 McDonald, Joseph L., St. Thomas College, St. Paul  
 McDonald, Mary, 2400 Blaisdell Av.  
 McDowell, Harriet J., 2608 3rd Av. S.  
 McDunn, Elizabeth B., 4112 Pleasant Av.  
 McFarlane, Mabel J., 2201 Aldrich Av. S.  
 McGovern, Rose S., 1416 Vine Place  
 McGrath, Helen, 211 W. 34th St.  
 McGregor, Effie, Hotel Waverly  
 McGregor, Ellen E., 2101 Portland Av.  
 McGregor, Lulie, 502 W. Franklin Av.  
 McGuire, Sarah E., 1215 W. 31st St.  
 McGuire, William W., 1994 Laurel Av.  
 McIntyre, Alice M., 4410 Lake Harriet Blvd.  
 McKenzie, Jennie, 2300 Garfield Av.  
 McLeon, Alice, 1551 Hillside Av.  
 McLochlan, Katherine M., 2010 Park Av.  
 McMillan, Margaret, 505 10th Av. S.E.  
 McMurtie, N. B., 320 17th Av. S.E.  
 McNally, Sadie, Hampshire Arms  
 McNamara, Kathryn, 1521 Vine Place

- McNulty, Agnes D., 420 7th Av. N.E.  
McNulty, Bea M., 420 7th Av. N.E.  
McPherson, Gertrude K., 1715 Portland  
Av.  
McShane, Catherine, Hotel Leamington  
McYahon, Donald F., 321 Emerson Av. N.  
Maddon, Adeline E., 2612 Chicago Av.  
Magnuson, Jennie O. M., 413 Oak St. S.E.  
Malone, May E., 4625 York Av. S.  
Malthouse, Ellen D., 2615 Humboldt Av.  
S.  
Mandt, Lenore, 3301 Harriet Av. S.  
Manley, Mary E., 3236 Holmes Av.  
Manuel, Clara A., 425 8th Av. S.E.  
Marsh, Gertrude, 1352 Vine Place  
Martin, Blanche, 413 5th St. S.E.  
Martin, F. S., 2420 Hennepin Av.  
Martin, Mrs. F. S., 2420 Hennepin Av.  
Martin, Maud E., Hotel Berkeley  
Martin, Mary L., 816 Spring St. N.E.  
Masley, John A., 2201 2nd St. N.E.  
Mason, Adelaide, 1108 15th Av. S.E.  
Mather, Helen, Curtis Court  
Mathis, Mrs. A. C., 1601 7th St. S.E.  
Meader, Isabel R., 2600 W. 40th St.  
Meason, Georgina, 1208 W. Franklin Av.  
Mellenthin, Mrs. Gurli, 1515 Vine Place  
Mero, Lillian, 3047 Nicollet Av.  
Merrill, Agnes, 1700 Thomas Place  
Merrill, Dorothy S., 2106 Aldrich Av. S.  
Michaelson, Klara M., 2117 Harriet Av.  
Michaelson, Matilda L., 2117 Harriet Av.  
Miller, Cecil R., 3824 Pillsbury Av.  
Miller, Jane S., 1873 Marshall Av.  
Miller, O. H., 3345 2nd Av. S.  
Miner, Robert I., 2375 Bourne Av., St.  
Paul  
Mo, Einar Geo., 701 15th Av. S.E.  
Mo, Mrs. Einar G., 701 15th Av. S.E.  
Mo, Mrs. K. E., 701 15th Av. S.E.  
Moersch, F. P., Curtis Court  
Moir, Marian W.  
Molan, Kathleen, 3523 Garfield Av.  
Morand, Mr. & Mrs., 519 13th Av. S.E.  
Morgan, Grace I., 2548 Chicago Av.  
Morgan, Elizabeth H., 2300 5th Av. S.  
Morrill, Eliza C., 1808 Stevens Av.  
Morse, Margaret E., 3401 5th Av. S.  
Mosher, A.E.  
Mower, Margaret W., 3247 Stevens Av.  
Mueller, Ada E., 15 W. Rustic Lodge  
Mulcahy, Frank J., 1230 25th St., N.E.  
Mullins, Ella, 1916 2nd Av. S.  
Muller, Katherine J., 2622 3rd Av. S.  
Mumm, Ruth E., 1908 5th St. N.  
Munson, Harriet, 1319 Yale Place  
Murphy, Grace, 2624 S. Humboldt Av.  
Murphy, Mary V., 4109 Sheridan Av. S.  
Murphy, Mary M., 1507 Adams St., N.E.  
Murphy, Tressa H., 440 2nd St. N.E.  
Murray, Agnes R., 43 N. 15th St.  
Naegeli, Fred W., 2257 Langford Av., St.  
Paul  
Naper, Martha E., 3149 Holmes Av.  
Nash, Julia A., 2018 Hennepin Av.  
Nason, Effie L., 1407 Clinton Av.  
Nelson, Hilda C., 3141 Elliot Av.  
Nelson, Hubert A\*, 3240 Harriet Av. S.  
Nelson, Marion L., 3215 Fremout Av. S.  
Nessell, Martha E., 1915 Aldrich Av. S.  
Newell, Esther, 1786 Hennepin Av.  
Newell, Margaret M., 1116 5th Av. S.E.  
Nickerson, Edward, 600 Essex St. S.E.  
Nickerson, Margaret, 600 Essex St. S.E.  
Niles, Harriet S., Hotel Hastings  
Nitardy, Paula M., 911 7th Av. S.  
Norbeck, Gertrude F., 101 W. 35th St.  
Nordquist, Jennie, 1214 5th St. S.E.  
Northfield, Susan M. (Mrs.), 1415 19th  
Av. N.  
Nugent, Philip M., 790 Bates Av., St.  
Paul  
Nutter, Hannah A., 2226 Fremont Av. N.  
Oas, Jennie, 410 21st Av. S.  
Oberg, Ezra N., 2106 29th Av. S.  
Oberg, Gerald O., 1127 15th Av. S.E.  
O'Hearn, Mary, 1216 Harmon Place  
O'Herrin, Mary F., (Mrs.) 1700 Portland Av.  
Oldfield, Lee W., 820 22nd Av. N.E.  
Olson, Carolyne, 168 Nina Av., St. Paul  
O'Meara, Sarah F., 1425 6th St. S.E.  
Orfield, D. J., 3052 10th Av. S.  
Oswald, Mae B., Hampshire Arms  
Owen, Bess, 2416 Chicago Av.  
Owen, Gertrude B., 1428 Spruce Place  
Owens, Esther W., 2425 Lyndale Av. S.  
Oyen, Alice, 2440 23rd Av. S.  
Page, Alta S., 1812 Bryant Av. S.  
Pallmer, A. R., 703 4th St. S.E.  
Paper, Sarah, 570 Capitol Blvd., St. Paul  
Patch, Alice S., 2318 Aldrich Av. S.  
Patchen, Georgia A., 1705 Portland Av.  
Pattison, Edith S., 1020 Hawthorn Av.  
Pease, Thomas G., 1417 6th St. S.E.  
Pehousek, Elizabeth V., 639 Erie St. S.E.  
Pehousek, Veronica B., 639 Erie St. S.E.  
Peik, A., 208 10th Av. N.E.  
Pepper, Mrs. Fred L., 277 Prescott St.  
Perkins, Ellen G., 3401 5th Av. S.  
Perrine, E. G., 731 Fulton St. S.E.  
Perrine, Mrs. E. G., 731 Fulton St. S.E.  
Peterson, Sigwald S., 223 8th St. S.E.  
Petran, Mirian V., 1700 Kenwood Pkwy.  
Phillips, Anna, 1808 Stevens Av.  
Phillips, Bertha I., 1352 Vine Place  
Phillips, Jennie L., 2728 Portland Av.  
Phillips, Minnie B., 1908 Pleasant Av.  
Pierce, Elizabeth, 300 State St. S.E.  
Pinney, Gilbert, 904 University Av. S.E.  
Pippel, Minnie, Robbinsdale

- Plummer, Bessie T., 740 E. 16th St.  
 Poehler, Harriet W., 2433 Garfield Av. S.  
 Pope, Lena M., St. Louis Park  
 Porcher, Maria R., 3136 Harriet Av.  
 Porter, Mary L., 3929 Clinton Av. S.  
 Potter, Marvyl, 314 10th St. S.E.  
 Powell, Kathryn, 1018 13th Av. S.E.  
 Pratt, Agnes A. (Mrs.), cor. Nicollet Av. and 50th St. W.  
 Prentiss, Anna D., 4737 Colfax Av. S.  
 Probett, Ida, 1917 Stevens Av.  
 Quail, Margaret, 3012 Knox Av. S.  
 Quarters, Edwin N., 1814 4th St. S.E.  
 Radde, Elsa C., 1312 17th Av. N.  
 Radusch, Dorothea, 721 Erie St. S.E.  
 Radusch, Frieda J., 721 Erie St. S.E.  
 Radusch, Minna, 721 Erie St. S.E.  
 Raines, Mary E., 3044 Holmes Av.  
 Randall, Ada M., 329 Oak St.  
 Reed, Myrtle, 2633 Humboldt Av. S.  
 Reid, E. A., 514 Delaware St. S.E.  
 Reid, Katherine, St. Barnabas Hospital  
 Reid, Mary D., 2728 Chowan Av.  
 Reidy, Elizabeth M., 909 Summit Av.  
 Regan, Ella L., Curtis Court  
 Raque, Miss Dikka, 425 8th Av. S.E.  
 Reynolds, George W., 3811 10th Av. S.  
 Rheberg, Rachel, 2220 Oakland Av.  
 Rice, Catherine, 766 Carroll Av.  
 Rice, H. W., 3940 Richfield Road  
 Rice, Mrs. H. W., 3940 Richfield Road  
 Richards, Grace, 2639 Harriet Av.  
 Richmond, Ethel, 820 University Av., S.E.  
 Rise, Matilda E., 815 4th Av. S.  
 Ritze, Bertha L., 1401 Yale Place  
 Roberts, Charlotte (Mrs.), St. Barnabas Hospital  
 Rodgers, Walter S., 4652 Emerson Av. S.  
 Rogers, Emma E., 2655 Grand Av.  
 Rogers, Helen L., 2400 Nicollet Av.  
 Rogers, Lena H., 1614 Girard Av.  
 Rohde, Henry J., 3241 Clinton Av.  
 Rood, Mary B., 116 Oak Grove St.  
 Rooney, Isabel, 819 2nd St. N.E.  
 Rosenberg, Ruth, 429 Forest Av.  
 Rothschild, Flora E., 1613 3rd Av. S.  
 Roush, Lyman P., 3025 4th Av. S.  
 Rowan, Margaret, 1700 Portland Av.  
 Rowell, Ora M., 2217 N. Fremont Av.  
 Rumbaugh, Mary L., 3552 Bryant Av. S.  
 Rundquist, Ethel, 2539 Central Av.  
 Russell, Clementina, 1306 Portland Av.  
 Russell, Grace, 2100 Hennepin Av.  
 Rutledge, Elizabeth C., 3408 2nd Av. S.  
 Rydell, Edmund T., 2114 Dupont Av. N.  
 St. Clair, Martha, 1107 University Av. S.E.  
 Salisbury, Pearl C., N.E. Neighborhood House  
 Samuelson, Cora, 3341 Grand Av.  
 Sanborn, Frances L., 3312 3rd Av. S.  
 Sandeen, Henry W., 912 Margaret St.  
 Sanderson, Elizabeth B., 605 12th Av. S.E.  
 Sandquist, G., 101 University Av. S.E.  
 Schibursky, Clara C., 1715 Portland Av.  
 Schirmer, Helene, 627 E. 17th St.  
 Schmidt, Edith M., 3537 Bloomington Av.  
 Sconce, Lois E., Curtis Court  
 Schussler, Emma W., 2722 Bloomington Av.  
 Scott, Jessie, 311 10th Av. S.E.  
 Scott, Sadie M., 3025 4th Av. S.  
 Scott, Zadie A., 1672 Hennepin Av.  
 Searle, Clinton E., 131 W. 36th St.  
 Seeley, J. L., 1916 2nd Av. S.  
 Sellhorn, Minnie D., 2816 Fremont Av. N.  
 Sengir, Barbara, 732 E. 16th St.  
 Seyller, Blanche L., 3314 Elliot Av.  
 Shaw, Gertrude, 635 E. 17th St.  
 Shaw, Harry J., 1674 Hennepin Av.  
 Sheehan, Katherine, 909 Summit Av.  
 Shook, Jane L., 1502 2nd Av. S.  
 Shook, Kate P., 1502 2nd Av. S.  
 Shortridge, Wilson P., 816 16th Av. N.  
 Shove, Helen B., 3116 Clinton Av.  
 Siddall, Margaret W., 1820 Stevens Av.  
 Siebert, Emma, 3006 Oliver Av. N.  
 Siebert, Marie H., 3006 Oliver Av. N.  
 Siehl, Claude D., 4449 Beard Av. S.  
 Sieken, Agnes W., Curtis Court  
 Sikes, Lena A., 818 16th Av. N.  
 Simon, Clara J., 1065 Van Slyke Av., St. Paul  
 Simon, Ellen M., 1065 Van Slyke Av., St. Paul  
 Simpson, Mabel, 714 Monroe St. N.E.  
 Sims, Helen D., 1301 5th St. S.E.  
 Sirich, Edward H., 321 14th Av. S.E.  
 Small, Mary F., 2110 Lyndale Av. S.  
 Smith, Claribel, 1224 Mary Place  
 Smith, Dora, 1415 Willow St.  
 Smith, Eva, 2601 Humboldt Av. S.  
 Smith, Florence M., 405 Oak St. S.E.  
 Smith, Gertrude E., 3627 Blaisdell Av.  
 Smith, Harriet E., 126 W. Grant St.  
 Smith, Irene, 2028 Cedar Av.  
 Smith, Lois, 3825 Clinton Av. S.  
 Smith, Lora, 3825 Clinton Av. S.  
 Snell, A. M., 509 Washington Av. S.  
 Snyder, Mary, 1365 Spruce Place  
 Sommermeyer, Louise W., 220 9th Av. S.E.  
 Southwell, Alice M., 4100 Sheridan Av.  
 Sprague, Eunice C., 1820 Stevens Av.  
 Stahley, Laurie, 2637 Humboldt Av. S.  
 Stanchfield, Lois H., 520 5th Av. S.E.  
 Standt, E. W., 513 Dale St., St. Paul  
 Stanley, Alice W., 4125 S. Upton Av.

- Stanley, Elizabeth A., 747 N.E. Madison St.  
 Stanton, Helen J., 313 15th Av. S.E.  
 Stephens, Stella M., 920 8th Av. S.  
 Stevens, Catherine L., 1057 15th Av. S.E.  
 Stevens, Dorothy J., Leamington Hotel  
 Stewart, Mercia E., Leamington Hotel  
 Sticka, Rose, 419 18th Av. S.E.  
 Stivers, Elizabeth W., 131 E. 14th St.  
 Stomberg, Dwight Wm., 531 Walnut St. S.E.  
 Stone, Genevieve L., 1820 Stevens Av.  
 Stover, Zelma E., 4006 Nicollet Av.  
 Strate, Nettie M., 3032 Colfax Av. S.  
 Strohmeier, Anna E., 427 8th Av. S.E.  
 Stromme, Minnie, 2216 17th Av. S.  
 Stultz, Laura R., 926 Hudson Av. St. Paul  
 Sullivan, Elizabeth M., 846 Hall Av., St. Paul  
 Sumner, Bernice, 2806 Humboldt Av. S.  
 Sweet, Earl, 902 21st Av. S.E.  
 Swennes, Agnes E., 813 E. 22nd St.  
 Talbot, Esther B., 1808 Colfax Av. S.  
 Tautges, Katherine L., 3025 Harriet Av. S.  
 Taylor, Jessie E., 134 E. 18th St.  
 Taylor, Susan E., Hotel Maryland  
 Telfair, Nellie M., 2446 Chicago Av.  
 Terry, Alta B., 2321 Harriet Av. S.  
 Terry, Stephen N., 802 6th St. S.  
 Thomas, Anna B., 3538 3rd Av. S.  
 Thomas, Joseph M., 818 University Av. S.E.  
 Thomas, Katherine R., 909 Summit Av.  
 Thomas, Lucy A., 909 Summit Av.  
 Thomas, Mary E., 1111 Hawthorne Av.  
 Thompson, Agnes B. (Mrs.)  
 Thompson, Chas. L., 4808 Nicollet Av.  
 Thompson, Harry E., 3007 Fremont Av. N.  
 Thompson, Laurie, 1725 Portland Av.  
 Thompson, Ruth G., 4808 Nicollet Av.  
 Thornton, Elizabeth B., 1515 Vine Place  
 Thornton, Katherine J., 1515 Vine Place  
 Thrailkill, Fanny F., 1902 4th Av. S.  
 Thris, Cora O., 4115 Upton Av. S.  
 Thurston, Mrs. Edward S., 911 5th St. S.E.  
 Tice, Ethel A., 909 Summit Av.  
 Tinkham, Bertha L., 3247 Stevens Av.  
 Titus, James L., 316 15th Av. S.E.  
 Tolson, Edgar, 856 Albemarle St., St. Paul  
 Tomlinson, Bessie A., 3115 13th Av. S.  
 Tomlinson, Mabel E., 3115 13th Av. S.  
 Towey, Mary W., 2746 Fremont Av. S.  
 Trilling, Mabel B., 2077 Commonwealth Av., St. Paul  
 Tucker, Ermina, 1808 Stevens Av.  
 Turner, Effie S., 1786 Hennepin Av.  
 Ulbricht, Clara M., 523 7th St. S.E.  
 Ulbricht, Emma A., 523 7th St. S.E.  
 Underwood, Elizabeth, 2548 Chicago Av.  
 Urquhart, Mary I., 2615 Emerson Av. S.  
 VanCamp, Kate, 405 Oak St. S.E.  
 Vance, J. E., 3540 1st Av. S.  
 Van Deusen, Wm. P., 3510 Architect Av. N.E.  
 Van Valkenburg, Frederick, 1319 9th St. S.E.  
 Van Kleek, Maud, 3512 16th Av. S.  
 Viets, Howard T., 410 University Av. S.E.  
 Vilas, A. A., 1205 Raymond Av., St. Paul  
 Vincent, Mrs. Geo. E., 1005 5th St. S.E.  
 Vockert, Arnold, 2310 Queen Av. N.  
 Von Rohr, Lucy E., 134 E. 18th St.  
 Walker, Eunice M., 1214 5th St. S.E.  
 Wallace, Dora B., 231 Curtis Court  
 Walton, Maltilda K., 3125 Columbus Av.  
 Ward, Susanna R., 4410 Lake Harriet Blvd.  
 Warner, W. L., 78 Willow St.  
 Waterman, A. A., 606 7th St. S.E.  
 Waters, Vera E., 320 Church St. S.E.  
 Weir, Harriet A., 3431 Knox Av. N.  
 Welch, Richard D., 1409 8th St. S.E.  
 Wentland, Ida V., 3301 Harriet Av. S.  
 Wertz, Edith A., 1522 Fremont Av.  
 Westlund, Mary E., 4351 Garfield Av.  
 Westman, Leonard V., 2120 31st Av. S.  
 White, Anna M., 1083 15th Av. S.E.  
 White, Asher, 424 Walnut St.  
 White, Carrie, 1101 S. 7th St.  
 White, Evangeline L., 3301 Harriet Av. S.  
 White, Grace I., 1621 W. 32nd St.  
 White, Marian, 314 10th Av. S.E.  
 White Philip T., 1083 15th Av. S.E.  
 Whiteman, Mrs. L., 1715 Carroll Av., St. Paul  
 Wickland, Gerald, 2800 Portland Av.  
 Wiggins, Stella M., Brookside, Minn.  
 Wilkie, David, 382 Wheeler St.  
 Wilkinson, Sarah H., 313 15th Av. S.E.  
 Wilkins, Mary S., 4644 Lake Harriet Blvd.  
 Williams, Grace A., 1408 Yale Place  
 Williams, Margaret J., 2921 16th Av. S.  
 Witter, Ella M., 3345 1st Av. S.  
 Wood, Adelia M., 3214 2nd Av. S.  
 Wood, Harriet J., 1111 Hawthorne Av.  
 Wood, Stella L., 315 11th Av. S.E.  
 Woodward, Charles E., 3224 Harriet Av.  
 Woodward, M. Myrtle, 2525 4th Av. S.  
 Wright, Anna W., 97 Orlin Av. S.E.  
 Yankoski, Frances E., 736 E. 16th St.  
 Yokley, Robert L., 317 15th Av. S.E.  
 Zickrick, Theodore, 1308 Harmon Place  
 Zierold, A. A., 1110 W. 25th St.  
 Zinne, Charles F.

## ST. PAUL

- Ames, Elizabeth D., 956 Marshall Av.  
 Anderson, Morgan E., 339 W. George St.  
 Antony, Theodore M., 1603 Berkeley Av.  
 Axtell, Mary E., 270 Dayton Av.  
 Blaha, James, 358 Arbor St.  
 Borden, Gertrude C., 2026 Laurel Av.  
 Borderi, Mary A., 2026 Laurel Av.  
 Bridges, Mabel, 709 Ashland Av.  
 Bright, M. Louise, 179 Macalester St.  
 Bruce, Ethel M., 643 Hague Av.  
 Buckley, Margaret C., 632 St. Peter St.  
 Buell, Caroline, 536 Ashland Av.  
 Burns, Catherine, 999 Portland Av.  
 Burns, Maria, 999 Portland Av.  
 Burns, Sara, 999 Portland Av.  
 Cahill, G. E., 1074 Sherburne Av.  
 Caulfield, Mary G., 774 Laurel Av.  
 Chapin, Blanche, 629 Ashland Av.  
 Clark, Keith, 1470 Wesley Av.  
 Cooper, Margaret E., 1144 Ashland Av.  
 Copley, Mary E., 530 Ashland Av.  
 Corcoran, John J., 1608 11th Av. S.,  
     Minneapolis  
 Countryman, E. A., 1840 Selby Av.  
 Crosby, Clifford W., 172 W. University  
     Av.  
 Daly, Elizabeth, 624 Ashland Av.  
 Daly, Mary E., 624 Ashland Av.  
 Deahafe, A. B., 700 Conway St.  
 Dimond, Winnifred, 624 Ashland Av.  
 Doran, Lawrence, 1495 Sherburne Av.  
 Doyle, Mary C., 327 Carroll Av.  
 Driscoll, Charles B., 1888 Carroll Av.  
 Driver, Elizabeth J., 147 Summit Av.  
 DuBord, Alice M., 928 Osceola Av.  
 Dueschner, Erwin, 4051 Pillsbury Av.  
 Dunn, Teresa M., 331 Geranium St.,  
 Gehan, Mark H., 762 Capitol Heights  
 Geraghty, Bridget, 308 Como Av.  
 Ginsberg, Annie, 1744 Laurel Av.  
 Goff, Fred W., 724 E. 5th St.  
 Goodrich, Mabel, 485 Pelham St.  
 Gorman, Alice, 727 E. 3rd St.  
 Grant, Mary J., 648 Brown Av.  
 Gregory, Ada, (Mrs.) 808 Cromwell Av.  
 Halstead, P. J., 417 St. Anthony Av.  
 Hand, Richardine, 591 Ashland Av.  
 Hayes, Laura A., 1208 Dayton Av.  
 Hickman, Jr., John H., 325 N. St. Albans  
     St.  
 Hillard, Mrs. Homer, 816 Hague Av.  
 Hinners, Clara L., 1850 Summit Av.  
 Hinners, Gertrude, 1850 Summit Av.  
 Holland, Mary D., 724 Holly Av.  
 Hosmer, Alice M., 528 Ashland Av.  
 How, Mrs. E. L., 535 Laurel Av.  
 How, Mary W., 614 Grand Av.  
 Howell, R. B., 1228 Minnehaha St.  
 Hughes, Theresa, 620 Globe Bldg.  
 Jackson, Mary I., 955 Lombard Av.  
 Janes, Mrs. A. L., 307 Laurel Av.  
 Johnson, Fred O., 2117 Commonwealth  
     Av.  
 Johnson, Harry L., 667 Magnolia St.  
 Johnson, Jennie W., 1451 Van Buren St.  
 Johnson, Otto A., 1996 Milwaukee Av.  
 Johnson, Sophie J., 83 Como Av.  
 Johnston, Ida A., 177 Nelson Av.  
 Kelly, Raymond C., 477 Laurel Av.  
 Kelly, Wm. Vincent, 477 Laurel Av.  
 Kennedy, Ella F., 97 Kent St.  
 Kennedy, Thos. F., 108 Garfield Av.  
 King, Margaret M., 842 Laurel Av.  
 Knudson, Walter O., 35 Como Av.  
 Lacy, C. H., 1810 Wesley Av.  
 Larson, Helen I., 541 Rondo St.  
 Lawler, Cass, 561 Laurel Av.  
 Lowry, Ethelwyn, 519 Oakland Av.  
 Lutz, Paul E., 444 Arbor St.  
 Lyksett, Sylvan L., 800 Cedar St.  
 McClellan, Mary F., 88 Kent St.  
 McCormack, Elizabeth, 632 St. Peter St.  
 McGuire, Mary, 694 Carroll Av.  
 McKechnie, Mrs. A., 647 Holly Av.  
 McMullin, Catherine H., Visitation Con-  
     vent  
 Maguire, Helen F., 682 Ashland Av.  
 Maley, Clarence A., 448 Virginia Av.  
 Mann, Helen G., 766 Ighehart Av.  
 Martinet, Leslie, 707 Carroll Av.  
 Meyer, H. D.  
 Morice, Agnes, 950 Arkwright St.  
 Myer, A. G., 908 Laurel Av.  
 Nelson, Henry, 704 Smith Av.  
 Newton, Millicent, 1043 Goodrich Av.  
 Nicol, Mary E., 1199 Reaney Av.  
 Niemeyer, Gertrude, 1890 Laurel Av.  
 Nugent, Philip, 144 Bates Av.  
 Oace, Sophie, 662 Rondo St.  
 O'Brien, Ella C., 1837 Grand Av.  
 O'Dell, Thomas E., 139 Summit Av.  
 O'Donnell, M. E., 104 2nd Av. S.  
 Oehler, O., 1204 Lincoln Av.  
 Olsen, Carolyn, 168 Nina Av.  
 Orrison, Chester H., 803 Snelling Av.  
 Ostergren, Mabel C., 959 Burr St.  
 Perkins, Alfred G., 1780 Wakefield Av.  
 Perkins, Sidney, 622 Wabasha  
 Pollock, Isodore H., 201 E. Congress St.  
 Ringius, Edward P., 290 Sherburne Av.  
 Rohrer, Mertie, 766 Ighehart Av.  
 Roverud, Ella M., 643 Hague Av.  
 Sanders, Grace, 710 Ashland Av.  
 Savage, Mrs. Albert B., 719 Linwood Pl.  
 Sell, John M., 1933 Laurel Av.  
 Sell, Mrs. John M., 1933 Laurel Av.

- Sinclair, Gertrude, 20 N. St. Albans  
 Sister Agnes M. Mahoney, Visitation Convent  
 Sister Francis de Sales, Visitation Convent  
 Sister Jane M. Cullinan, Visitation Convent  
 Sister Mary A. Noughton, Visitation Convent  
 Sister Mary A. O'Connor, Visitation Convent  
 Sister Mary C. Shepherd, Visitation Convent  
 Sister Mary E. Ordan, Visitation Convent  
 Sister Mary F. Whaley, Visitation Convent  
 Sister Mary T. Dougherty, Visitation Convent  
 Sister Mary V. O'Brien, Visitation Convent  
 Sister Rose J. Brennan, Visitation Convent
- Sliney, Elizabeth J., 736 Holly Av.  
 Smisek, M. J., 500 Michigan Av.  
 Smith, C. R., The Angus  
 Smith, Clifford, 421 Norwich Av.  
 Smith, Mrs. E. Fay, 1950 Selby Av.  
 Steen, J. H. Arnold, 14 Tilton St.  
 Summerfield, Arthur W., 841 Ashland Av.  
 Sutton, Clarence G., 530 Capitol Blvd.  
 Swanson, Elaine, 606 Portland Av.  
 Swanson, L. B., 205 Maria Av.  
 Swenson, Freda E., 945 Clark St.  
 Talbot, Georgiana, 293 Selby Av.  
 Tallman, Kate E., 476 Laurel Av.  
 Torbenson, Otelia, 1862 Dayton Av.  
 Tracy, Matilda, 2053 Lincoln Av.  
 Udell, Myra, 779 Carroll Av.  
 Watson, Florence H., 708 Holly Av.  
 Whitney, Maude H., 574 Selby Av.  
 Wilhelm, R. J., 465 Whitall St.  
 Will, Elsie E., 185 Iglehart Av.  
 Winterfield, A. W., 972 Lincoln Av.  
 Zahler, Louise H., (Mrs.) 1018 E. 4th St.

## DULUTH

- Adair, J. R. Bennett, 122 E. 3rd St.  
 Anderson, Agnes V., 425 4th Av. E.  
 Auxer, Caroline C., 329 4th Av. W.  
 Baillie, Mabel L., 121 St. Marie St.  
 Berg, Elizabeth H., 1012 E. 4th St.  
 Boer, Ellen M., The Ashtabula  
 Boucher, Eileen, 204 E. 6th St.  
 Clark, Blanche E., 131 W. 3rd St.  
 Crowley, Jane M., 115 E. 3rd St.  
 Daley, Ann, College of St. Scholastica  
 Daley, Margaret, College of St. Scholastica  
 Doran, Loretta J., The Ashtabula  
 Duclett, Betsy, 1020 E. 6th St.  
 Dunn, Anna M., 204 E. 6th St.  
 Elevitch, Pearl, 15 W. Lenon St.  
 Gage, Leslie, 1524 E. 4th St.  
 Grant, Anna, 1007 E. 7th St.  
 Grimes, Helen, 1721 Piedmont Av.  
 Grinols, Marie E., 222 5th Av. E.  
 Quinn, Mary M., 113 E. Superior St.  
 Haley, Hazel, Villa Scholastica  
 Hammill, Mary E., 141 Faribault St.  
 Hartz, Louise, 1014 E. 8th St.  
 Helwig, Clara A., 1716 E. 5th St.  
 Hilton, Mrs. Geo. D., 1303 E. 6th St.  
 Joyce, Isabel R., 2127 Sussex Av.  
 Karnes, Katherine, 3 Chester Terrace  
 Lamb, Alice, Villa Scholastica  
 Larsen, C. Hortense, 307 E. 3rd St.  
 Longstreet, Gertrude, 1403 E. 2nd St.  
 MacArthur, Laura, 224 E. 5th St.  
 McFadden, Sarah P., 4117 McCullock St.  
 McHugh, Ethel, College of St. Scholastica  
 McIntyre, Nora, College of St. Scholastica

- Meier, Amanda, 1507½ E. 4th St.  
 Monahan, Elizabeth, College of St. Scholastica  
 Monaghan, Leona, 2221 E. 4th St.  
 Neff, Maud, 610 5th Av. W.  
 Nelson, Anna B., 101 S. 19th Av. E.  
 Nelson, Emma, 1705 Jefferson St.  
 Nelson, Helen, 1705 Jefferson St.  
 Olson, Emma S., 112 N. 20th Av. W.  
 Olson, Hilda, 2301 W. 7th St.  
 Sellhorn, Bertha, 5 E. 3rd St.  
 Semmer, A., 96 Cedar Lake Road, Minneapolis  
 Simon, Clara E., 1065 Van Slyke Av.  
 Sister Hyacinthe A. O'Brien, College of St. Scholastica  
 Sister Leonissa M. Sauber, College of St. Scholastica  
 Sister Rose O'Donnell, College of St. Scholastica  
 Sister M. Athanasius Braegelman, College of St. Scholastica  
 Sister M. Basilius Coleman, College of St. Scholastica  
 Sister M. Bridget McCarthy, College of St. Scholastica  
 Sister M. Chrysostom Doran, College of St. Scholastica  
 Sister M. Prudentia Morin, College of St. Scholastica  
 Smith, Francis E., 7 Munger Terrace  
 Soderburg, Sophia M., 1801 E. 3rd St.  
 Stone, Webster H., Box 33, West Duluth Station

Strate, Johanna, 3 Munger Terrace  
 Strom, Christine, 124 10th Av. E.  
 Sullivan, Henry J., 518 N. 48th Av. W.

Sund, Joseph A., 915 E. 7th St.  
 Thomson, Eleanor M., 416 N. 18th Av. E.  
 Todd, Jessie M., 820 E. 5th St.

## ST. CLOUD

Ahlers, Harriet, 394 2nd Av. S.  
 Bemis, Clifford O., Ashby Minn. (St. Cloud Normal)  
 Clarke, Charlotte E., 356 3rd Av. S.  
 Curry, Mary B., 1003 5th Av. S.  
 Douglas, Beulah, 227 7th St. S.  
 Henderson, Mabel, 810 5th Av. S.  
 Holmberg, Anna T., Lincoln School  
 Hurch, Charles A., State Reformatory  
 Knudson, Charlotte M., 810 5th Av. S.  
 Milton, William F., State Reformatory

Mitchell, Eleanor  
 Muckley, Rose  
 Oliver, Myrtle T.  
 Peake, Miss Gilna J., 206 W. Elm St., Stillwater  
 Smith, Inez M., 324 3rd Av. S.  
 Smith, Stella, Box B.  
 Sonju, Bertha, Farrabe Block  
 Tschumperlin, Anna C., 603 6th Av. S.  
 Walter, William W., 1918 Sherman Av., Evanston, Ill.

## DEPARTMENT OF BUSINESS INSTRUCTION

## MINNEAPOLIS

Adsem, John, 3412 16th Av. S.  
 Ainsworth, L. F., 1609 Linden Av.  
 Alberg, Albert, 824 27th Av. N.E.  
 Alvord, S. W., 4013 Sheridan Av. S.  
 Anderson, Frederick A., 613 15th Av. S.E.  
 Anderson, George E., 3304 Nicollet Av.  
 Anderson, Paul R., 826 20th Av. N.E.  
 Anderson, W. L., 3022 Irving Av. N.  
 Arth, Frank J., 836 E. 3rd St.  
 Ashcroft, F., 3320 Aldrich Av. S.  
 Asselin, Raymond A., 3441 Aldrich Av. S.  
 Badger, Lester R., 1900 Girard Av. S.  
 Barnard, Bessie, 3045 Bryant Av. S.  
 Bates, Curtis, 3041 Irving Av. S.  
 Bayley, C. S., 211 E. 34th St.  
 Bennett, William, 91 N. 17th St.  
 Berg, M. G., 99 Mt. Airy St. St. Paul.  
 Berner, Thorval E., 2915 Taylor St. N.E.  
 Bernstein, A. E., 1832 Irving Av. N.  
 Berry, Harry E., 3536 N. Upton Av.  
 Bintner, Joseph J., 324 University Av. N.E.  
 Bjerke, W. M., 2055 8th St. S.  
 Bjork, Emil E., 1000 24th Av. N.E.  
 Blackburn, Earl J., 3336 Lyndale Av. S.  
 Blackman, H. E., 3824 Pleasant Av.  
 Blair, Raymond E., 324 E. 38th St.  
 Blum, Edward M., 430 4th St. N. E.  
 Blustin, Morton E., 824 11th Av. North  
 Boes, Joseph W., 912 4th St. N.E.  
 Bogt, J. E., 4001 Queen Av. S.  
 Bolduc, Albert T., 2112 2nd St. N.  
 Borman, I. O., 3115 Portland Av.  
 Bostad, O. H., 1839 Emerson Av. N.  
 Bothum, John A., 1300 Linden Av.  
 Bowen, J. G., 1015 1st Av. S.  
 Bowman, H. V., 3122 Morgan Av. N.

Brackey, Carl N., 707 E. 14th S.  
 Brancheau, Bert C., 1801 Irving Av. N.  
 Brandt, L. Basil, 116 W. Grant St.  
 Braunstein, Harry A., 403 Lyndale Av. N.  
 Breitschopf, John L., 381 Fuller Av., St. Paul  
 Brenna, Leonard N., 120 E. 35th St.  
 Brewer, Royal L., 3127 4th Av. S.  
 Brick, Paul, 4315 Harriet Av.  
 Briese, Reinhold R., Y. M. C. A.  
 Brilhart, Paul W., 1820 Carroll Av., St. Paul  
 Browne, Ernest H., 2701 Elliot Av.  
 Browne, Jack W., 714 E. 17th St.  
 Buck, L. G., 4122 Wentworth Av.  
 Budde, Walter M.  
 Brittin, Lewis H., Hampshire Arms  
 Cahn, Robert R., 3825 Stevens Av.  
 Calvin, Carl A., 1306 7th St. S.  
 Campbell, Clarence E., 2721 Girard Av. S.  
 Carlbom, Arvid, 3319 14th Av. S.  
 Carleson, Bazil N., 1920 Crystal Lake Av.  
 Carlson, A. R., 3 West 25th St.  
 Carlson, C. A., 2238 Buchanan St. N.E.  
 Carlson, Clarence W., 54 Eastman Av.  
 Carlson, George H., 2810 1st Av. S.  
 Carlson, Joseph E., 93 Spruce Place  
 Carr, Geo. A. J., 2620 Cedar Av. S.  
 Carr, Pat. H., 64 7th Av. N.E.  
 Cary, Walter E., 709 W. 35th St.  
 Catlin, Dudley B., 2645 Garfield Av. S.  
 Chailquist, F. R., 1845 Quincy St., N.E.  
 Chancy, Clarence R., 4908 Colfax Av. S.  
 Chapo, Marie, 52 S. 10th St.  
 Charles, J. K., 66 S. 12th St.  
 Christianson, Hilmar B. O., 2211 22nd Av. S.

- Chilstrom, John A., 2841 Lake of Isles Blvd.  
 Chute, Robert W., 1910 Colfax Av. S.  
 Clark, Richard 2826 1st Av. S.  
 Clark, Ross R., 3341 Hennepin Av.  
 Class, George, 3719 Park Av.  
 Clausen, L. A., 2725 Elliot Av.  
 Cole, Charles W., 1018 4th St. S.E.  
 Cole, Roger I., 1427 Bryant Av. N.  
 Cooper, Walter W., 629 12th Av. S.E.  
 Core, Harold C., 3729 1st Av. S.  
 Cottor, Emil F., 193 Igelhart Av., St. Paul  
 Covell, Gladys M., 2809 Girard Av. S.  
 Crossland, Jr., Wm. H., 5018 43rd Av. S.  
 Cunningham, Thomas E., 2108 16th Av. S.  
 Curran, Clara, 106 Willow St.  
 Dahl, James A., 713 23rd Av. S.  
 Dahlstrom, Henry F., 309 S. 8th St.  
 Dale, Emil M., Care W. S. Nott Co., Mound, Minn.  
 Danforth, M. L., 3110 Fremont Av. S.  
 Danielson, A. W., 1910 Feronia Av., St. Paul  
 Danielson, C. T., 1715 Elliott Av.  
 Davenport, Lawrence, 3312 S. Bryant Av.  
 Davis, Charles A., 114 S. 8th St.  
 Day, George E., 1410 4th Av. S.  
 Dedon, W. L., 938 Cromwell Av., St. Paul  
 De Forrest, I. Lauretta, 1202 Plymouth Av.  
 Dempsey, J. H., 815 4th Av. S.  
 Denickson, Anthony B., 715 20th Av. S.  
 Dennis, D. W., Hastings Hotel  
 De St. Croix, Lawrence, 223 W. 39th St.  
 Dessert, Raymond B., 1045 23rd Av. S.E.  
 Devereux, Margaret, 1004 19th Av. S.E.  
 Dietrich, Arthur E., 1328 Vine Place  
 Dixon, H. S., 3406 Penn Av. N.  
 Dodgson, J. S., 3114 Oakland Av.  
 Duff, C. S., 2516 Hennepin Av.  
 Dunnigan, Thos. J., 4605 Blaisdell Av. S.  
 Elg, Fred A., 2702 University Av. S.E.  
 Ellertson, Carl H., 417 Oak St. S.E.  
 Ellertson, E. J., 5 Barton Av. S.E.  
 Ellertson, Selmer F., 417 Oak St. S.E.  
 Elliott, A. N., 1042 19th Av. S.E.  
 Ellis, George E., 4757 Bryant Av. S.  
 Fabian, John H., 3104 Lyndale Av. S.  
 Felt, Harold P., 2122 E. 22nd St.  
 Ferguson, George A., 3451 Oliver Av. N.  
 Fischer, Robert M., 2115 Harriet Av.  
 Fitzsimmons, S. J., 128 E. 18th St.  
 Flingstrom, Ernest, 245 21st Av. S.  
 Foley, Frances J., 311 7th Av. S.E.  
 Foster, Kent, 3022 Grand Av.  
 Franceschina, M. R., 42 S. 13th St.  
 Fraser, Norman D., 2317 Humboldt Av. S.  
 Freeman, Theodore W., 20 E. Elmwood Place  
 Fredlund, Paul, 909 21st Av. S.  
 Fuller, W. C., 1437 Van Buren St. N.E.  
 Galvin, Eugene F., 621 2nd St. N.E.  
 Gaus, Ernest G., 1441 W. Lake St.  
 Gemlo, James, 1814 Johnson St. N.E.  
 George, Herbert N., 625 E. 32nd St.  
 Gerrish, F. Earl, Hopkins, R. No. 2.  
 Ghose, Nagendranath, Curtis Court  
 Goldfus, Samuel, 511 N. Irving Av.  
 Graus, W. C., 315 10th Av. S.E.  
 Greiner, Morris E., 911 7th Av. S.  
 Grodnik, Hela Ray, 1011 Bryant Av. N.  
 Gruber, Jr., Jeffrey, 2349 Commonwealth Av., St. Paul  
 Gurney, E. A., 1211 25th Av. N.  
 Gustafson, Victoria E., 1311 Chestnut Av.  
 Gustafson, Walter, 3203 34th Av. S.  
 Hadley, Joseph A., 1232 5th St. N.E.  
 Hagen, Seward L., 3326 Columbus Av.  
 Hammond, Walter, 533 Knox Av. N.  
 Hannon, J. Emmett, 2542 Clinton Av.  
 Hanson, Anton G., 3225 30th Av. S.  
 Hanson, Forest E., 1510 E. 23rd St.  
 Hanson, Fred C., 899 Charles St., St. Paul  
 Hanson, George E., 4933 Pleasant Av. S.  
 Hasselberg, Ragnar F., 1105 Fillmore St. N.E.  
 Hauge, Arthur W., 4056 10th Av. S.  
 Hazen, F. S., 374 Wheeler St., St. Paul  
 Hedin, Oscar C., 1330 Johnston St. N.E.  
 Heldlund, Martin E., 204 Cecil St. S.E.  
 Herrick, Elmer E., 683 Simpson St., St. Paul  
 Hessburg, James P., 2603 17th Av. S.  
 Hillgren, H. A., 3342 Oakland Av.  
 Himmelman, H., 9 Central Av.  
 Hobart, Wallace A., 3738 Penn Av. N.  
 Hokenson, S. J., 709 9th St. S.  
 Holt, Clara E., 820 9th Av. S.E.  
 Houle, Henry J., 4330 Minnehaha Av.  
 Houston, Jr., G. Sidney, 3105 Girard Av. S.  
 Hughes, C. F., 114 E. 17th St.  
 Hughes, Ellis J., 2937 Bloomington Av.  
 Hutson, Erwin E., 1523 Washington St., N.E.  
 Jaroscak, Jack P., 2315 2nd St. N.E.  
 Jensen, Carl J., 680 Asbury Av., St. Paul  
 Jensen, Guy T., 607 University Av. S.E.  
 Jesperson, Arthur, 3215 Blaisdell Av.  
 Johanson, Arnold H., 1107 Plymouth Av. N.  
 Johnson, Ansel R. H., 2325 Fremont Av. S.  
 Johnson, Clarence H., 3512 Pillsbury Av.  
 Johnson, Clarence M., 1338 Knox Av. N.  
 Johnson, Evan M., 1335 Oliver Av. N.  
 Johnson, Frank, 4053 Snelling Av.  
 Johnson, Fred A., 2906 University Av. S.E.  
 Johnson, Frederick B., 3041 Oakland Av.

- Johnson, J. H., 4039 Queen Av. S.  
 Johnson, Leander, 64 S. 11th St.  
 Johnson, Lillian P., 2911 N. Lyndale  
 Johnson, Roy G., 2108 Chicago Av.  
 Johnson, Simon, 2614 Hayes St. N. E.  
 Johnson, W. N., 1929 Newton Av. N.  
 Johnston, F. E., 2111 Dupont Av. N.  
 Jones, Davis G., 1644 Hennepin Av.  
 Jones, William R., 3540 Minnehaha Av.  
 Kacher, Albert C., 722 Superior St., S.E.  
 Karl, C. L., 2943 Queen Av. N.  
 Keegan, Edward F., 742 Adams St. N.E.  
 Kellberg, E. H., 136 E. 17th St.  
 Kelly, T. H., 723 2nd St. N.E.  
 Kennedy, George M., 321 Nelson Av., St. Paul  
 Kennedy, T. F., 104 Garfield Av., St. Paul  
 Kerker, Thomas, 1250 Capitol Av., St. Paul  
 King, Samuel E., 2912 Fremont Av. N.  
 Klingensmith, Walter, 2143 St. Anthony Av., St. Paul  
 Knutson, Harry M., 1991 Marshall Av., St. Paul  
 Koch, C. C., 3317 2nd Av. S.  
 Koehl, Lester E., 2000 Emerson Av. S.  
 Kolb, John, 1402 N. Fremont Av.  
 Krafre, John, 2107 Willow Av. N.  
 Kranhold, H. E., 913 Sherburne Av.  
 Krone, Fred O., 1422 Logan Av. N.  
 Kuehn, Henry E., 1831 Irving Av. N.  
 Ladd, Stephen C., Hampshire Arms  
 Lange, Irving A., 3610 Dupont Av. N.  
 Larsen, Milan M., 1019 13th Av. S.  
 Larson, A. J., 1609 Lincoln St. N.E.  
 Larson, H. J., 3248 Grand Av.  
 Lebeck, Roy C., 1319 Adams St. N.E.  
 Lebeis, Clara F., 1520 Plymouth Av. N.  
 Lee, Edward G., 1560 Laurel Av.  
 Lee, John K., 22 Oak Grove St.  
 Lee, Reynold, 2018 25th Av. S.  
 Leighton, Emmet, G., 2645 15th Av. S.  
 Lemke, F. J., 911 Fuller Av., St. Paul  
 Lennon, Arve B., 2924 12th Av. S.  
 Leonard, Clarence E., 1315 Aldrich Av. N.  
 Letcher, Albert, 3400 18th Av. S.  
 Lewis, E. C., 1493 Lincoln Av., St. Paul  
 Lilligren, H. M., 734 Pierce St. N.E.  
 Lineburg, George F., 1213 17th Av. N.  
 Linstroth, Clarence C., 4340 S. Aldrich  
 Little, Wirt F., 1 E. 34th St.  
 Livingstone, R. A., 2600 Fremont Av. S.  
 Loberg, James M., 423 9th St. S.  
 Long, Fred E., 1045 16th Av. S.E.  
 Long, James E., 408 2nd St. N.E.  
 Longworth, H. A., 3231 14th Av. S.  
 Lorberbaum, Max, 1513 E. 18th St.  
 Lundberg, H. C., 1230 James Av. N.  
 Lundell, Leon N., 707 Penn Av. N.  
 Lundin, H. W., 2916 18th Av. S.  
 Lyle, Floyd, 707 8th Av. S.E.  
 Lyness, Ida, Fessenden, North Dakota  
 Lyness, Marion E., Fessenden, North Dakota  
 Lyon, C. R., 32 N. 11th St.  
 McCartin, Aaron J., 440 University Av. N.E.  
 McCourtie, S. R., 4905 30th Av. S.  
 McCuaig, Gordon H., 1624 W. 26th St.  
 McDonagh, W. C., 3342 W. 32nd St.  
 McDowell, J. C., 2429 Nicollet Av.  
 McHenry, J. A., 1820 Stevens Av.  
 McHenry, Robt. D., 711 8th Av. S.E.  
 McKenna, John J., 18 N. 13th St.  
 McKercher, J. C., 915 Essex St. S.E.  
 McMarn, Harry R., 3355 Calhoun Blvd.  
 Maas, H. H., Robbinsdale  
 Mains, T. M., 3805 10th Av. S.  
 Manley, B. E., 428 8th St. S.  
 Marth, Anne, 3821 Pillsbury Av.  
 Matson, C. W., 4147 Garfield Av.  
 Matthews, A. G., 914 W. Lake St.  
 Meder, H. P., 1418 Girard Av. N.  
 Mehlen, Gus, 2613 13th Av. S.  
 Melville, Earl Wm., 127 E. Grant St.  
 Mendow, Hymen, Z., 921 14th Av. S.  
 Merrill, Ethel, Ingleside Apts.  
 Meyers, Melie G., 2101 Girard Av. S.  
 Miller, Fred K., 2421 11th Av. S.  
 Montgomery, G. E., 2509 Clinton Av.  
 Moores, Mabel E., 1913 Clinton Av.  
 Morrill, Andrew, 3303 Garfield Av. S.  
 Morris, A. B. (Miss), Friedman Court  
 Morrison, Arthur D., 2401 Harriet Av.  
 Mosher, Leon H., 5700 Pillsbury Av.  
 Murray, Leo P., 2918 Taylor St. N.E.  
 Nalezny, Joseph F., 347 Polk St., N.E.  
 Nelson, Arthur, 1406 Madison St.  
 Neudeck, Wm. E., 1934 Lincoln St. N.E.  
 Newcomb, Glenn F., 605 E. 17th St.  
 Nickerson, C. E., 1704 Brooks Av. S.E.  
 Nimerfroh, G. B., 1100 20th Av. N.  
 Nolan, Thomas H., 1704 1st Av. S.  
 Novack, James G., 3555 Queen Av. N.  
 Noyes, C. A., 436 Stryker Av., St. Paul  
 Noyes, Wilbur J., 2617 S. Lyndale Av.  
 Nyman, Martin W., 4115 Park Av.  
 Obara, Shiro, 629 3rd Av. S.  
 Oberg, Ezra N., 2106 29th Av. S.  
 O'Brien, Frank C., 806 15th Av. S.  
 O'Connell, John F., 906 N.E. 4th St.  
 O'Dette, Archibald V., 904 15th Av. S.  
 Olson, Anna, 1501 10th Av. S.  
 Olson, E. A., 3205 Bloomington Av. S.  
 Olson, Elmer J., 1300 Linden Av.  
 Olson, Floyd J., 4350 Harriet Av.  
 Olson, John W., 3205 Bloomington Av.  
 Olson, Orde C., 1253 LaFond St., St. Paul.  
 Olson, Paul, 500 S. 3rd St.  
 Oman, Carl J., 513 16th Av. S.

- Ortley, Arthur R.  
 Ostrom, A. L., 639 Elwood Av. N.  
 Ostrom, Waldemar A., 639 Elwood Av. N.  
 Oustad, Olaf, 3303 18th Av. S.  
 Paavola, George P., 103 Spruce Place  
 Palffy, Louis E., 1817 Washington Av. S.  
 Palmer, R. P., 2007 Aldrich Av. S.  
 Parker, Donald G., 2439 Bryant Av. S.  
 Parsons, H. A., 3100 Dupont Av. N.  
 Patterson, A. C., 42 S. 13th St.  
 Pehousek, James, 639 Erie St. S.E.  
 Pierce, Charles A., 3215 4th St. N.  
 Penningroth, W. J., 3020 Holmes Av. S.  
 Perry, Howard M., 2945 Pleasant Av.  
 Peterson, Arthur C., 3208 N. 3rd St.  
 Peterson, Axel M., 411 Forest St., St. Paul.  
 Peterson, Clarence A., 3905 5th Av. S.  
 Peterson, Ernest G., 2611 N. Emerson Av.  
 Peterson, Edwin J., 2421 10th Av. S.  
 Peterson, George R., 1801 15th Av. S.  
 Peterson, Helge A., 4220 31st Av. S.  
 Peterson, R. F., 1401 15th Av. N.  
 Phillips, Parry, 2036 Upton Av. S.  
 Pieemeisel, Rudolph A., 1701 Park Av.  
 Pollard, George H., 1710 Fremont Av. N.  
 Preston, Earl R., 1507 N. Dupont Av.  
 Prisch, H. W., 4428 Beard Av. S.  
 Pritchard, Hugh, 4509 Ewing Av.  
 Purdham, Plummer, 4000 Lyndale Av. N.  
 Rast, Leonard, 2221 Portland Av.  
 Redding, E. J., N. W. National Bank  
 Reed, George J., 3121 Aldrich Av. S.  
 Reid, Frank A., 1709 Irving Av. S.  
 Richard, H. H., 529 Y. M. C. A., St. Paul  
 Richardson, R. W., 4410 W. Lake Harriet  
 Blvd.  
 Riedel, John P., 403 Broadway N.E.  
 Riekki, August, 2000 Park Av.  
 Ring, Gertrude, 819 2nd Av. S.  
 Rittenhouse, Theo. H., 2801 3rd St. N.  
 Roberts, Thomas C., 2303 Pleasant Av.  
 Rose, Carroll H., 923 13th Av. S.  
 Rose, J. L., 1311 Yale Place  
 Rose, Le Roy V., 3800 Portland Av.  
 Rosing, C. L., 1915 Willow Av. N.  
 Rotering, Victor, 122 W. Grant St.  
 Rowe, Ina B., 2116 Como Av. W., St Paul  
 Royse, H. S., 4015 Pleasant Av.  
 Rudeen, Elmer, 2925 Lyndale N.  
 Russell, Roy E., 3644 Portland Av.  
 Rydell, Edmund T., 2114 N. Dupont Av.  
 Sandahl, Harold E., 3844 Elliot Av.  
 Sandy, Alan F., 2112 Dupont Av. S.  
 Sargent, W. D., 2447 Aldrich Av. S.  
 Sawyer, Fred W., 25 Clarence Av. S.E.  
 Schlampp, Edward A. 1622 Girard Av. N.  
 Schmal, G. P., 3024 James Av. S.  
 Schmidt, Raymond O., 3805 Stevens Av.  
 Schwach, Alois  
 Schwartz, Alfred B., 828 N. 12th Av.  
 Schwartz, S., 51 Royalston Av. N.  
 Score, Albert H., 3315 N. Russel Av.  
 Seavers, Sig. G., 2613 Colfax Av. N.  
 Seidel, Walter, 515 8th St. S.E.  
 Senn, Arthur H., 1822 10th Av. S.  
 Shannon, Thomas J., care of Edwin J.  
 Bishop, Globe Bldg., St. Paul  
 Shattuck, Irwin E., 4226 Crocker Av.  
 Shay, Harry J., 1674 Hennepin Av.  
 Sidletsky, J., 211 E. 14th St.  
 Sinclair, Lucien D., 7 Barton Av. S.E.  
 Skinner, F. T., 1725 University Av. S.E.  
 Simerman, George A., 2068 Carroll St.,  
 St. Paul  
 Smith, A. W., 4050 Wentworth Av.  
 Smith, Arthur P., 4327 Lyndale Av. S.  
 Smith, Arthur V., 3221 2nd Av. S.  
 Smith, Fred H., 4050 Wentworth Av.  
 Smith, John W., 3045 Portland Av.  
 Smith, W. H., 2181 Queen Av. N.  
 Snyder, Leslie, 600 11th Av. S.E.  
 Sombke, O. H., 1397 Van Buren St. N.E.  
 Sower, M. G., 515 S. 9th St.  
 Spaeth, Wesley W., 1563 Ashland Av.  
 Spargue, Robert S., 3208 Logan Av. N.  
 Stacy, Harlan G., Maryland Hotel  
 Starkey, Val P., 21 N. 15th St.  
 Stebbins, Robert S., 3119 Clinton Av.  
 Steele, Cecil C., 1114 14th Av. N.  
 Steller, Adolph W., 1337 Morgan Av. N.  
 Steller, Carl C., 1337 Morgan Av. N.  
 Stensrud, Nicolas, 411 Walnut St.  
 Stephens, R. P., 920 8th Av. S.  
 Stiles, Lawrence H., 828 University Av.  
 S.E.  
 Stone, Allen, 127 W. 26th St.  
 Story, Harlan G., Maryland Hotel  
 Stratton, Margaret, 3636 Pleasant Av.  
 Sullivan, Daniel, 2721 Bloomington Av.  
 Sutherland, James F., 1819 Dupont Av. S.  
 Swanson, E. Leonard, 813 Lowry Av. N.E.  
 Swanson, Reuben W., 4230 Nicollet Av.  
 Swenson, Manne S., 1934 Crystal Lake Av.  
 Swenson, Marcus M., 3440 33rd Av. S.  
 Swett, L. R., 3220 Clinton Av.  
 Taraldson, H. W., 124 W. Grant St.  
 Taylor, Charles P., 2810 W. 42nd St.  
 Taylor, Paul S., 2628 5th Av. S.  
 Thies, Roy., 1222 Jefferson St. N.E.  
 Thomas, William D., 900 8th Av. S.  
 Thompson, Harry E., 3007 Fremont Av.N.  
 Thompson, Roy C., 5637 Pillsbury Av.  
 Thomson, Alexander, 1517 Chestnut Av.  
 Thrall, Ralph A., 2729 Fremont Av. N.  
 Tilleson, Claude A., 3037 Calhoun Blvd  
 Towle, R. E., 16 Oak Grove St.  
 Towne, Fred W., 2620 S. Dupont Av.  
 Vanstrum, Paul A., 1818 10th Av. S.  
 Velin, Hjalmer, 1712 5th Av. N.  
 Volding, Myron J., 3020 Holmes Av.

Wagner, Archibald, 1712 Dupont Av. S.  
 Wallin, Chas. W., 3218 Dupont Av. N.  
 Walton, Florence, 313 15th Av. S.E.  
 Warner, Harold L., 3030 W. Calhoun Blvd.  
 Webb, Hobart, Y. M. C. A.  
 Webber, Anthony O., 604 Marshall St. N.E.  
 Weingart, Alexander, 3346 Emerson Av. N.  
 Weisenberger, Albert, 1011 8th St. S.E.  
 Welliner, L. R., 1315 N. Irving Av.  
 Weston, C. D., 1727 Vine Place  
 Westerman, Walter, 2936 Dupont Av. S.  
 Weststrand, Edwin R., 3026 Fremont Av. N.  
 Wickstram, Peter E., 2432 30th Av. S.  
 Wilkinson, C. P., 915 N. Y. Life Bldg.  
 Wikkeen, Oscar A., 2891 James Av. S.  
 Will, Fred L., 108 E. 19th St.  
 Wilson, Alfred E., 518 4th St. N.E.

Wilson, Alonzo W., 315 10th Av. S.E.  
 Wilson, James G., 3244 3rd Av. S.  
 Wilson, Ronald K., 2014 W. 21st St.  
 Wing, Llewellyn, 3208 Pillsbury Av.  
 Winslow, A. E., 2309 Grand N.E.  
 Witt, Geo. P., 3019 N. Morgan Av.  
 Wood, Geo. B., 3144 Clinton Av.  
 Woodruff, R. A., 3145 Clinton Av.  
 Woolley, John H., 1701 Bryant Av. N.  
 Wren, Richard, 353 Broadway  
 Yates, Raymond, 3906 Thomas Av. S.  
 Young, H. T., 106 Spruce Place  
 Youngquist, Dewey, 3028 Stevens Av.  
 Zehrfeld, Mello E., 30 Grove St.  
 Zickert, L. R., 2803 Emerson Av. N.  
 Zikan, Joseph W., 476 Herschel Av., St. Paul  
 Zimmerman, John P., 3014 15th Av. S.  
 Zinne, Charles F., 3700 Girard Av. N.

## ST. PAUL

Anderson, R. W., 652 Thomas St.  
 Anderson, W. L., 357 Hope St.  
 Armbruster, E. J., 726 Hudson Av.  
 Arth, Clarence J., 836 East 3rd St.  
 Baker, Valdine, 829 Portland Av.  
 Benson, J. R., 751 Fauquier St.  
 Bernstein, C. W., 301 Pleasant Ave.  
 Bialozynski, John, 1009 E. Magnolia St.  
 Blasser, Max, 197 E. 14th St.  
 Boberg, W. E., 725 E. California St.  
 Bossart, H. A., 1779 Ashland Av.  
 Bovard, Jr., James H., 239 Aurora Av.  
 Brilhart, Paul W., 1820 Carroll Av.  
 Buetow, Herbert P., 733 Charles St.  
 Cameron, E. M., 391 North St. Albans St.  
 Carroll, Charles P., 61 West Delos St.  
 Christ, Rubert W., 894 E. 3rd St.  
 Corcoran, John J., 1316 4th St. S.E., Minneapolis  
 Cottor, Emil F., 193 Iglehart Av.  
 Danielson, A. W., 1910 Feronia Av.  
 Dumaran, C. W., 670 Laurel Av.  
 Eardley, W. C., 680 South Smith St.  
 Ellis, Harris, 1223 Hawthorne Av., Mpls.  
 Elmquist, Nan C., 356 Pleasant Av.  
 Engle, M. E., 710 Selby Av.  
 Esch, Otto, 974 E. Minnehaha St.  
 Fischer, Anna M., 673 S. Robert St.  
 Flesher, Benjamin H., 357 Maria Av.  
 Gadacz, Stanley J., 15 W. George St.  
 George, Charles W., 17 W. Summit Av.  
 Gilbert, M. K., 1519 Como Av. S.E., Mpls.  
 Goldberg, Stanley, 923 Linwood  
 Goodson, Curtis C., 753 Carroll Av.  
 Gothe, Oscar E., 655 Case St.  
 Gregg, Calvin W., 365 Summit Av.  
 Gruber, Jeffrey, 2349 Commonwealth Av.

Harris, Chas. S., 270 Kent St.  
 Harris, Ellis, 668 St. Peter St.  
 Harrison, Luther B., White Bear Lake  
 Hart, Milton, 1174 E. Minnehaha St.  
 Hartman, C. N., 653 Elfert  
 Haselbeck, H., 733 E. Jessamine St.  
 Hickey, M. J., 153 St. Anthony Av.  
 Ivey, Thomas L., 1386 Selby Av.  
 Johnson, A. J., 19 E. College  
 Johnson, Herbert, 790 Sherburne Av.  
 Johnson, Roy I., 937 Watson Av.  
 Kain, R. J., 2077 Marshall Av.  
 Kennedy, Thomas F., 104 Garfield Av.  
 Kennedy, W. W., 1247 Edmund St.  
 Keppers, Wm. M., 889 Arcade St.  
 Klima, Etta, 346 Von Minden  
 Kotilinek, James L., 119 Iglehart Av.  
 Kulp, Delmar E., 29 Garfield Av.  
 Larson, Edward J., 122 W. Arch St.  
 Lawler, Cass, 561 Laurel Av.  
 Linnerooth, Sidney, 802 Margaret St.  
 McLane, J. J., 916 Aurora St.  
 McLeod, Malcolm, 634 Iglehart Ave.  
 McSimons, Ira J., 241 Sherman Av.  
 Mahoney, Frances, 975 East 6th St.  
 Matchett, Henry, 1416 Capitol Av.  
 Melamed, Maurice L., 222 E. Fairfield Av.  
 Meyer, Melville, 1090 Reaney St.  
 Miller, Herbert M., 982 Hastings Av.  
 Miller, Hilda, 84 W. Lawson St.  
 Miller, Lydia P., 330 Capitol Bldg.  
 Mingaye, H. T., 761 Osceola Av.  
 Muchenhin, John C., 540 St. Anthony Av.  
 Mulkern, Gertrude 763 Sherburne Av.  
 Naughton, Wm. T., 205 Goodrich Av.  
 Nyberg, Gustave, 1017 Kilburn  
 Oberg, Stafford L., 710 Rose St.

O'Brien, Helen, 255 W. George St.  
 Olson, Orde C., 1253 La Fond St.  
 Ortman, Anna B., 1153 Abell St.  
 Peterson, Paul B., 357 Hope St.  
 Price, Edward, 254 Sidney St.  
 Quinn, Thomas L., 114 Amherst  
 Reimers, Wm. J., 739 Sims St.  
 Roether, Ernest A., 823 East 3rd St.  
 Rossman, John Geo., 5 Como Av.  
 Rudeen, F. J., 1660 Dayton Av.  
 Rush, Alice G., 962 S. Robert St.  
 Sansen, G. M., 856 Fremont St.  
 Seabern, Clifford F., 1557 Grand Av.  
 Schaffelke, Henry A., 500 Bellows Av.  
 Schiffer, Meyer, 615 Ashland Av.  
 Schilling, Paul A., 879 Thomas St.

Scholtz, Henry C., 390 Dayton Av.  
 Schulz, H. T., 927 Hastings Av.  
 Shaeth, Oliver W., 1563 Ashland Av.  
 Shannon, Joseph, 286 N. Milton St.  
 Sidletsky, J., 211 E. 14th St.  
 Smith, Stanley J., 233 Smith Av.  
 Spaeth, O. W., 1563 Ashland Av.  
 Spaeth, W. U., 1563 Ashland Av.  
 Sweeney, George P., 523 Laurel Av.  
 Temple, M., 891 Fairmont Av.  
 Thorsen, O. M., 1008 Lexington Av.  
 Tolson, Edgar, 856 Albemarle St.  
 Vetter, George H., 63 Tilton St.  
 Voelker, Katherine, 354 Fuller Av.  
 Warren, Vera, 662 Sherburn Av.  
 Wick, S. W., 1458 Charles St.

## DULUTH

Arneson, Anker E., 101 E. 5th St.  
 Belleperche, A. J., 1901 E. 5th St.  
 Beschenbossel, Carl C., 415 E. 4th St.  
 Bethune, A. J., 481 Mesaba Av.  
 Brown, Colin F., 316 S. 16th Av. E.  
 Brude, Arthur C., Y. M. C. A.  
 Busselman, J. A., 24 4th Av. E.  
 Carlson, C. A., 212 N. 22nd Av. W.  
 Chisholm, J. A., 513 1st Av. W.  
 Currie, John A., 428 W. 4th St.  
 De Vohn, A. R., 2310 W. 3rd St.  
 Fisher, Sherwood S., 325 E. 5th St.  
 Flynn, E. L., 1009 E. 3rd St.  
 Franseen, Carl G., 712 1st Av. E.  
 Fredin, David H., 901 E. 6th St.  
 Frykdahl, Carl'E. H., 1027 E. 2nd St.  
 Goss, Leander M., 221½ Devonshire St.  
 Grochau, Ernest R., 3101 Minnesota Av.  
 Gross, Geo. L., 514 11th Av. E.  
 Haig, William F., 2021 E. 4th St.  
 Hanson, Jarl W., 2721 W. Helm St.  
 Johnston, Arthur J., 329 E. Superior St.  
 Karon, Abe, 20 E. 2nd St.

Kent, A. R., 4 Munger Terrace  
 Killam, John W., 110 Laurie St.  
 Krantz, Clemens, 706 56th Av. W.  
 Laskowski, Frank S., 2918 W. Huron St.  
 Leonard, W. T., Y. M. C. A.  
 Lundstrom, Roy, 119 32nd Av. W.  
 Marjamaa, Jafet, 1617 London Road  
 Meakin, James, 1412 E. 3rd St.  
 Moeller, John, 2628 W. 3rd St.  
 Moore, Philip R., 418 15th Av. E.  
 Mostue, Erling, 214 Osakis St.  
 Murray, D. S., 2028 E. Superior St.  
 Olson, Charles, 2625 W. 1st St.  
 Olson, M. J., 431 N. 23rd Av. W.  
 Olsoe, A. J., 516 N. 2nd Av. W.  
 Pattinson, Chauncy R., 1218 E. 5th St.  
 Peterson, Arthur C., 320 E. 3rd St.  
 Pyfer, George A., 118 7th Av. E.  
 Roper, Cyril J., 418 E. 6th St.  
 Rufard, George, 4711 Pitt St.  
 Staky, Carl E., 5817 W. 8th St.  
 Wagner, A. E., 709 8th Av. E.

## AUSTIN

Albertson, O. S. Dr.  
 Anderson, Rollin C.  
 Banfield, E. C.  
 Bennett, W. P.  
 Dalager, Clarence  
 Drost, Henry J.  
 Dugan, M. F.

Edson, F. H.  
 Fenton, Harold R.  
 Fox, Irwin D.  
 Hardy, Milton J.  
 Mann, Joseph W.  
 Wilbour, Frank C.

## DEPARTMENT OF ENGINEERING INSTRUCTION

## MINNEAPOLIS

Ainsworth, Earl R., 1112 Dartmouth Av.  
 S.E.  
 Alton, Albert R., 402 2nd Av. S.E.

Anderson, G. Alfred, 1057 18th Av. S.E.  
 Arness, Olaf J., 527 10th St. S.  
 Asen, Walter, 3524 17th Av. S.

- Badowe, A. D., 3105 Colfax Av. S.  
 Banville, Oscar H. 67 West Island Av.  
 Baptiste, Noel, 1710 19th St. E.  
 Barber, F. W., 1472 Raymond Av., St. Paul  
 Bartel, Erwin G., 1285 James St., St. Paul  
 Bladé, J. Robt., 3318 E. 26th St.  
 Bratberg, Anton, 501 8th St. S.  
 Brunberg, Alex E., 2009 4th Av. S.  
 Burns, John L., 3346 3rd Av. S.  
 Burns, William, 2631 16th Av. S.  
 Carlson, John F., 1238 Newton Av. N.  
 Chance, H. C., 3825 Elliot Av.  
 Cochrane, H. H., 1732 Clifton Place  
 Cory, Harry H., 2601 3rd Av. S.  
 Corwin, J. R., 1674 St. Anthony Av.  
 Crowl, Frank L., 3545 Blaisdell Av.  
 Cruttenden, Charles, 618 15th Av. S.E.  
 Dahlstrom, G., 829 Thornton St., S.E.  
 Delling, Torvald, 3017 6th St. N.  
 Dobbs, Loyal D., 2116 Como Ave., S.E.  
 Eddy, John A., 3839 Elliot Av.  
 Eggen, Oscar E., 872 18th Av. S.E.  
 Eklund, H., 2210 5½ St. S.  
 Ellerbe, Thos. Farr, 117 Mackubin St., St. Paul.  
 Engquist, Victor E., 731 York St., St. Paul  
 Enzler, Carl A., 316 Monroe St. N.E.  
 Erstad, Andrew, 1029 4th St., S.E.  
 Ferguson, John A., 2256 Carter Av. St. Paul  
 Field, Clarence M., 3205 Harriet Av.  
 Flad, Geo. W., 688 Simon Place, St. Paul  
 Fleischbein, Alvin C., 517 Y. M. C. A., St. Paul  
 Fournier, Marietta (Mrs.), 3505 Sheridan Av. North  
 Frank, Carl W., 2921 18th Av. S.  
 Gaarder, Le Roy, 1831 Park Av.  
 Garmoe, Harold, 2744 16th Av. S.  
 Gerdes, R. L., 1218 25th Av. N.  
 Gillard, Hubert W., 1671 Marshall St. N.E.  
 Gilman, A., 1400 Main St. N. E.  
 Gleason, Frank, 530 Broadway N.E.  
 Gronwald, John O., 1922 Buchanan St.  
 Guidman, M. L., 1920 Hamlin Av.  
 Guernsey, Newell F., 3337 University Av. S.E.  
 Hale, Arthur D., 1917 2nd Av. S.  
 Hamstreet, W. E., 311 E. 22nd St.  
 Hahn, Stanley W., Menomonie, Wis.  
 Hansky, Henry L., 955 Fuller Av., St. Paul  
 Haug, Daniel, 710 21st Av. S.  
 Hepp, Maylon H., 3306 4th Av. S.  
 Hill, Elmer M., 2335 Illion Av. N.  
 Hills, James B., 1988 Summit Av., St. Paul  
 Hofmann, Wm. Charles, 1514 Adams St. N.E.  
 Hulsing, H. O., 691 40th Av. N.E.  
 Huston, Robt., 165 14th Av. N.E.  
 Iverson, Carl R., 272 Taylor St., N.E.  
 Jacobson, Howard C., 1057 18th Av. S.E.  
 Jensen, Ernest W., 3240 18th Av. S.  
 Johansen, Henry, 217 Walnut St. S.E.  
 John, Edward O., 373 Maple St., St. Paul  
 Johnson, Albert W., 621 S. Magnolia St., St. Paul  
 Johnson, Arthur, 4135 Dupont Av.  
 Johnson, Edward J., 2349 Territorial Road  
 Johnson, Edward L., 1005 Lincoln Av., St. Paul  
 Johnson, Elmer A., 1083 Edgerton St., St. Paul  
 Johnson, Frederick O., 2117 Commonwealth Av.  
 Johnson, Guy Conrad, 2325 Fremont Av. S.  
 Juergens, H. E., 3214 W. Calhoun Blvd.  
 Kearney, Norman L., 1910 2nd Av. S.  
 Klawiter, Frederick C., 1166 Thomas St., St. Paul  
 Klingensmith, Frank, 2143 St. Anthony Av., St. Paul  
 Knudson, Morgan, 1509 Park Av.  
 Kocourek, John F., 604 Oak St. S.E.  
 Kummer, N. E., 3150 Harriet Av.  
 Lambert, Harry E., 12 E. 17th St.  
 Lambert, R. Wm., 2705 1st Av. S.  
 Larson, Albert O., 636 Selby Av., St. Paul  
 Larson, Ernest O., 2638 Bryant Av. N.  
 Larson, Nathan, 2421 Buchanan St. N.E.  
 Lasdin, Julius, 1932 Riverside Av.  
 Lawton, J. E., 22 Oak Grove St.  
 Leander, Henry, 955 Fuller Av., St. Paul  
 Lewis, Walter Lee, 125 W. Delos St., St. Paul  
 Linden, C. J., 2608 3rd Av. S.  
 Lockwood, Newton L., 1509 Park Av.  
 Lundell, Floyd A., 77 Knox Av.  
 Lundquist, C. E., 820 20th Av. N.E.  
 McCall, Helen F., 3040 Harriet Av.  
 McCullough, John G., 1927 Hennepin Av.  
 McGandy, Edward L., 819 Lowry Av.  
 McKenzie, Fern, 610 St. Peter St., St. Paul  
 Macomber, Wm. K., 1003-4 Plymouth Bldg.  
 Macconnell, G. E., 315 W. 15th St.  
 Magnuson, Carl J., 2101 10th Av. S.  
 Mahoney, G. P., 1840 Roblyn St., St. Paul  
 Manley, Roy J., 1397 Grand Av., St. Paul  
 Mayhew, Joseph H., 4160 Washington Av. N.  
 Mehren, Andrew S., 345 Snelling Av., St. Paul  
 Meyers, Raymond T., 2527 Penn Av. N.

- Michaelson, R. M., 663 Maryland St., St. Paul  
 Michel, Clarence B., 610 Fuller Av. St. Paul  
 Miller, Hollis D., 2321 Harriet Av.  
 Miller, Howard R., Bryn Mawr  
 Moberg, David W., 76 East Side Flat  
 Moore, O. F., 1007 East River Road  
 Morley, Roy I., 1397 Grand Av.  
 Mullowney, John J., 3132 Columbus Av.  
 Nadon, Camille F., 715 5th St. N.E.  
 Nelson, David G., 3626 2nd Av. S.  
 Nelson, Henry C., 3756 Elliot Av.  
 Nordlien, Bergen, 415 31st Av. N.  
 Noren, Clifford, 2548 Taylor St. N.E.  
 Noren, Harold, 2548 Taylor St. N.E.  
 Northfelt, Andrew P., 1710 11th Av. S.  
 Nothaker, W. K., 4820 28th Av. S.  
 Oakley, Fayette F., 4644 Upton Av. S.  
 Oehler, Walter W., 15 E. 25th St.  
 Olson, Clarence T., 1419 7th St. S.  
 Olson, Raymond K., 3321 18th Av. S.  
 Ostberg, Connie J. N., 2891 James Av. S.  
 Owens, Robert S., 3227 23rd Av. S.  
 Patton, E. W., 2704 Chicago Avenue  
 Pemberton, J. L., 3814 Colgate Av. W.  
 Peonidas, Philip  
 Pelton, Charles, C., 3120 Chicago Av. S.  
 Peterson, R. K., 1359 W. 7th St., St. Paul  
 Petterson, Einar T., 4418 Colfax Av. S.  
 Pickett, L. F., 3114 Hennepin Av.  
 Rasmussen, Robert D., 2600 E. 24th St.  
 Raymer, Jr., Arthur C., 1835 Iglehart Av., St. Paul  
 Raymond, Carl A., 1516 2nd Av. S.  
 Reichmuth, Fred C., 1320 Jefferson St. N.E.  
 Remmer, T. E., 732 15th St. E.  
 Ritten, George A., 902 24th Av. N.  
 Robohm, Jr., John F., 3126 Elliot Av.  
 Rohen, Arthur W., 3311 32nd Av. S.  
 Rogers, Harvey G., 1776 Iglehart Av., St. Paul  
 Rude, Hjalmar A., 1822 10th Av. S.  
 Rustad, Joseph H., 708 E. 36th St.  
 Scharpf, Elmer L., 2745 Columbus Av.  
 Schibbsy, F. M., 2107 Pleasant Av.  
 Schletty, George, 3144 Columbus Av.
- Schmidt, Henry R., 115 W. Robie St., St. Paul  
 Schulz, Emil H., 951 Wakefield Av., St. Paul  
 Schwach, Alois, 405 Oak St. S.E.  
 Schwartz, Louis F., 1503 S. 5th St.  
 Serrell, Herbert S., 427 Logan Av. N.  
 Serum, Phillip C., 1356 Vine Place  
 Sexton, M. J., 819 Marquette Av.  
 Shallbetter, Anthony S., 2419 Bryant Av. N.  
 Shartin, Samuel S., 610 Fremont Av. N.  
 Simms, Herbert D., 1477 Blair St., St. Paul  
 Skarnes, Jay A., 3304 Longfellow Av. S.  
 Skarnes, R. F., 3304 Longfellow Av. S.  
 Stewart, G. A., Y. M. C. A., St. Paul  
 Stin, John, 3904 27th Av. S.  
 Stoneman, Harrison S., 444 Wheeler Av., St. Paul  
 Stoppenbach, Paul F., 264 Dayton Av., St. Paul  
 Storen, Arthur R., 697 Gorman Av., St. Paul  
 Strain, Arthur  
 Strom, Fred, 853 E. 5th St., St. Paul  
 Sweger, Martin A., 49 W. Lawson St.  
 Thorshaug, Olaf, 208 Cecil St.  
 Trask, Donald M., 3237 Aldrich Av. S.  
 Trierweiler, Dominic G., 406 Maple St., St. Paul  
 Turner, Howard A., 1419 Girard Av.  
 Tyra, Arthur F., 2009 Lyndale Av. N.  
 Urquhart, Kathryn, 820 Holly Av., St. Paul  
 Vennes, Harold J., 501 Beacon St. N.E.  
 Von Lorenz, Harold, 52 Hoffman Av., St. Paul  
 Wahlquist, Hugo, 525 Ontario St. S.E.  
 Watt, Harmon H., 24 Dell Place  
 Weinmann, Alfred H., 398 E. Lawson St., St. Paul  
 Wells, Wm. S., 2429 Aldrich Av. S.  
 Wilson, Walter T., 3328 4th Av. S.  
 Wolff, Fred P., Highwood Park, St. Paul  
 Woodward, Ralph, 2626 E. Franklin Av.  
 Wyrill, Walter T., 3328 4th Av. S.  
 Yager, Nathan, 1911 14th Av. S.  
 Yanda, Frederyk, 1627 6th St. N.E.

## ST. PAUL

- Appel, Henry J., 576 Ottawa Avenue  
 Benhart, Ray, 844 Selby Av.  
 Giles, John M., City & County Hospital  
 McKnight, K. R., 355 St. Anthony Av.  
 Nolting, Walter C., 265 Dayton Av.

- Peterson, Roy K., 1359 W. 7th  
 Raymer, Arthur C., 1835 Iglehart Av.  
 Stoppenbach, Paul, 264 Dayton Av.  
 Strom, Fred, 853 East 5th St.

**DULUTH**

Brown, Harry H., 2316 W. 3rd St.  
Ericson, C. A., 101 S. 64th Av. W.  
Fuller, Ernest, 4320 Tiogo St., Lakeside  
Gustafson, A. Bernard, 2305 W. 4th St.  
Johnson, Fred H., 2015 61st Av. W.  
Lufholm, Laurence, 2005 W. 2nd St.

Olson, Goodwin, 616 N. 56th Av. W.  
Ostlund, Eric L., 613 21st Av. W.  
Smallidge, R. T., 221 N. 53rd Av. W.  
Thompson, James D., 114 E. 3rd St.  
Westover, Clayton, 5113 London Road





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